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POPULAR

SPECIAL BOAT SHOW ISSUE

BOATING

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FEBRUARY

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THE

COMPLETE MARINE DIRECTORY AND BUYING GUIDE

OVER 3500 LISTINGS AND ILLUSTRATIONS

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EWEST MODELS

New Super Sea-Horse V-50, electric starting . . . $850

NEW AND EXCLUSIVE WITH THE '59 SEA-HORSES!

Dynautical Design

goes better with your boat . . . makes your boat go better!

Look . . . !

Your first glance tells you there was never an outboard motor like this. It's Johnson's new Dynautical Design—clean and trim as a clipper ship—outboarding's new *profile of power!*

But what you see is only a part of Dynautical Design. Inside as well as outside, this is the most functional motor you can put on a boat. *Efficient!*

These new '59 Sea-Horses are the smoothest running, most dependable motors in Johnson history: the magnificent V-50, the fast-moving 35, the versatile 18, the 10, 5½ and 3 hp. Electric starting is available on Super V-50s, 35s and 18s. Full forward-neutral-reverse gearshift is built into every model down through the 5½. Prices start at $160 f.o.b. factory, subject to change.

With all this to choose from, your Johnson dealer can fit you out with a Sea-Horse that's right for your boating needs. Look him up under "Outboard Motors" in the Yellow Pages. This is the year of the two-millionth Sea-Horse—proof that *Johnson knows best!*

FREE 1959 SEA-HORSE CATALOG!

Write Johnson Motors, 590 Pershing Road, Waukegan, Illinois. In Canada, Peterborough, Ontario.

Johnson ***First in dependability***

FEB 16 1959

Protect your boat with mooring lines of Du Pont nylon for maximum security

When storm flags are whipping in a rising gale, it's wonderfully reassuring to know your boat is protected by nylon mooring lines. Tough nylon lines have up to five times the shock absorbency of ordinary ropes. Size for size, they're twice as strong as lines made with conventional fibers, take stress and strain that would quickly snap less durable lines.

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NEW . . . sails and running rigging of DACRON

Du Pont "Dacron"* polyester fiber has *unusual stretch resistance*—combined with strength, "just-right" flexibility and resistance to rot and abrasion. That's why it's preferred for running rigging and sails that mustn't "give"—even in heaviest weather.

WRITE FOR FREE COPY of "The Ten Most-Asked Questions About Yachting Lines of Nylon and 'Dacron'." E. I. du Pont de Nemours & Co. (Inc.), 5518 Nemours Bldg., Wilmington 98, Delaware.

*"Dacron" is Du Pont's registered trademark for its polyester fiber. Du Pont makes fibers, not yachting lines or sails.

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. . . THROUGH CHEMISTRY

THUMBS DOWN means DON'T CLOWN! Use this warning signal to promote SAFE BOATING

NYLON LINE—twice as strong as ordinary-fiber line...not weakened by rot or mildew...easier to handle

POPULAR
BOATING

THE MAGAZINE FOR BETTER BOATING

FEBRUARY, 1959
VOLUME 5, NUMBER 2

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WM. TAYLOR McKEOWN
Editor

TOM BOTTOMLEY
Managing Editor

PHILIP REAVIS
JOHN DUFFETT
Associate Editors

SIDNEY GREIFF
Art Director

HANK WIEAND BOWMAN
JIM EMMETT
BLAKE GILPIN
BILL WALLACE
JOHN KINGDON
Contributing Editors

STANLEY ROSENFELD
Contributing Photographer

J. DERWIN
Editorial Assistant

•

RICHARD MANNING
Advertising Director

SKIP ALLEN
Advertising Manager

LOTHAR PUTNAM
BILL BURKE
JOSEPH PALMER

Member Audit Bureau of Circulations

Ziff-Davis Publishing Company Editorial and Executive Offices
One Park Avenue, New York 16
Branch Offices: 434 S. Wabash Ave., Chicago 5, Ill.
Room 412, 215 West 7th Street, Los Angeles 14, California

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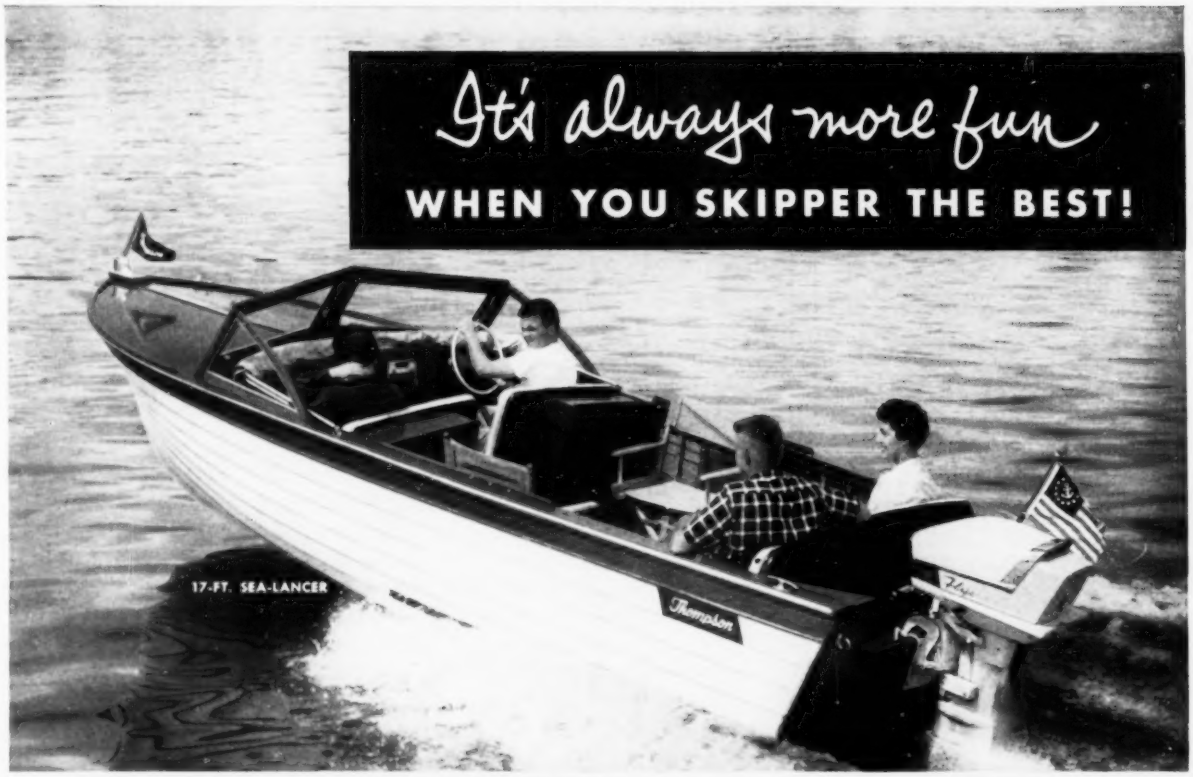

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Beginning in March:
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CHICAGO—MIDWEST'S PLEASURE BOATING CENTER: THE WATERWAYS, CRUISING AREAS, CLUBS AND FACILITIES, PLUS A SPECIAL P-B CRUISE-CHART

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THE BEST OF THE NEW BOATS: SPECIALLY SELECTED FROM DRAWING BOARDS OF THE TOP NAVAL ARCHITECTS IN THE COUNTRY IS THIS ROUND-UP OF NEW CRAFT NOW UNDER CONSTRUCTION PLUS—

HOW TO READ BOAT PLANS —THE SECRETS OF PERFORMANCE, ACCOMMODATIONS, CRUISING FACILITIES, AND SEAWORTHYNESS ARE EXPLAINED AS AN EXPERT SHOWS THE SPECIAL PLEASURES OF "READING" BOAT BLUEPRINTS

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JIM EMMETT FITS OUT FOR SPRING SPECIAL PROJECTS TO HELP EVERY BOATMAN SPEED UP COMMISSIONING TIME

•

AND ALL REGULAR FEATURES AND COLUMNS

FROM THE EDITOR—

THIS MONTH starting on page 125 begins Popular Boating's third annual Buying Guide Directory and Boat Show Supplement. This year it is again larger and more comprehensive, listing individual products and prices wherever possible and growing with the industry that will offer in 1959 more pleasure boats, motors, and accessories than ever before in the history of the sport.

Note that on pages 126 and 127, as well as the shopping manuals and check lists which lead off each special section, that instructions are given for best use of this buying workbook. In many cases new and representative products are pictured and described that have been selected from a company's vast inventory of marine products. If you see an item similar to one you think you want, or a fitting like something you have been searching for over the years, write directly to the listed manufacturer. He can probably send you his extensive catalog from which you can choose the exact product you had in mind. Properly used, this issue can become both a detailed home study course of the trends and progress of the marine industry today, and a guide to better and more simplified boating for you this coming year.

While the pleasure boating manufacturers of America have been producing more attractive, durable, and high performing boats and motors than ever before, they have not, however, met the challenge of educating a public to the point where it can take full advantage of these new and greatly improved products. No manufacturer in the field insists that his dealers make certain every purchaser knows the rudiments of safe operation of their boat and motor. While demonstration rides, once a rarity, are becoming more popular as dealers discover that a newcomer is frequently delighted and sold once he and his family go out in the boat, they are by no means the rule. Though an automotive salesman will arrange lessons for the purchaser who is a novice driver, the boat dealer is rare indeed who makes certain that each customer knows the boating rules of the road. No detailed Operating Manual is supplied with the average boat sold; no Guide to Sensible Seamanship is tied to every outboard and inboard engine delivered. While trying with one hand to attract the newcomer to boating, the industry is not using the other to help him over first uncertainties and give him guidance toward sound and seamanlike fundamentals in the sport. The U.S. Power Squadrons, Coast Guard Auxiliary, Red Cross, and other organizations as well as individual boatmen can be of much aid, but they need the cooperation of the industry as a whole.

In a special feature on page 58, the first condensation of results from POPULAR BOATING'S Sindlinger Survey of American pleasure boating today is presented in a summary by the editors. Future issues will incorporate many of the findings of our depth study in this field and market. Boating interests expressed by boatmen from coast to coast will be reflected in an expanded POPULAR BOATING starting next month as we once more enlarge our overall coverage and presentation of the sport in America.

WM. TAYLOR MCKEOWN

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See the boat of tomorrow. Today!

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Here's beauty that's breathtaking...
performance that is record-breaking!
It's the Glastron fiberglass fleet with new design for '59.
Here are really sleek lines... from dart-shaped deck
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fore and aft to cause 'oohs' and 'aahs' in any crowd.
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a molded marine marvel assuring you
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5 LINES IN THE Glastron FIBERGLASS FLEET FOR '59

14', 3", sturdy and stylish economy model.

Glastron SKIflite

Glastron SURFflite

15', Mylar side panelling and lengthwise seats.

SEAflite SEVILLE

17', for rough waters or placid lakes, performance galore.

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Glastron FIREflite

15', has front and rear automotive type seats.

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Keeps Bright-Work Sparkling All Season

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No sanding is necessary between coats. Its abrasion resistance is 75% that of plate-glass, but its amazing flexibility prevents chipping, crazing. (Guaranteed to retain its brilliant gloss, not whiten for a full year.) Your bright-work will stay bright, thru months of heavy use and exposure.

Pt. $3.50; Qt. $6.00; Gal. $23.00

365 Bottom Paint

Stops All Marine Growth

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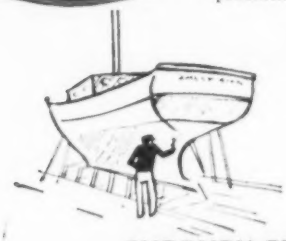

Apply Over Present Finish

Can be applied right over your present finish (except vinyl) providing hull is clean, dry, and the present finish is firm. 365 Bottom Paint comes in rich, dark maroon. Each can carries the 365-day guarantee — saves heavy expense and lost time of mid-season haulout.

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SUDBURY FIBRE GLASS PRIMER

Any suitable paint will adhere to fibre-glass and aluminum after a coat of this special primer. Forms tight bond that prevents coat from cracking, chipping, peeling. Makes it possible for you to have all-season freedom from fouling and marine growth with 365 Bottom Paint. **Qt. $3; Gal. $11.75.**

SUDBURY GALVA-COAT

An amazing brush-on liquid zinc coating (95% metallic zinc). Protects metals against rust and corrosion. Electro-chemical action forms permanent firm bond to any metal surface. Comparable to "hot dip" galvanizing. Ideal as finish coat or undercoat on all metal structures.

5 lb. can (about 1 qt.) $8.95.

An Urgent Need on Most Every Boat!

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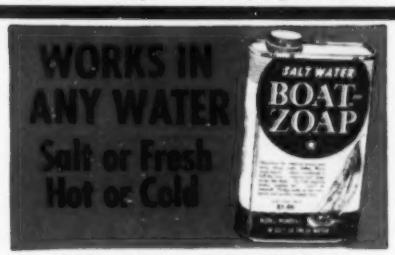
Prevent explosion from dangerous open switches! Multiple-pole switch gives selective control of one, two, or more batteries in starting, or recharging while underway. Single-pole for radio, pump, lighting or other circuits. Safety Authority Approved. **Multiple-Pole $17.95; Single-Pole $7.95.**



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Cleans everything from finest glassware to greasiest engine. Easy on the hands. Wonderful for dishes, clothes, sinks, toilets, woodwork, chrome, or deck paint. Boat-Zoap cleans everything from top to bottom. Quickly removes harbor scum, salt, gull droppings. **Pt. can $1.29.**

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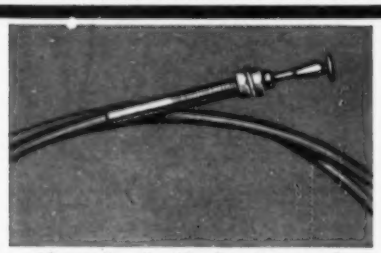
The only Fender that protects both rail and gunwale. Slip-easy finish, boat rides without damage. Never wears out, mildews or scratches. Resilient, always holds shape. Not affected by sun or salt water. Floats. Frost white, easy to clean. **Model A 15" x 2" $1.98; Model B 17½" x 3½" $4.95.**



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Redd-Elefant-hide is corrosion-proof, waterproof, dirt-proof. Permanently lubricated, will not stretch or kink. Superior to metal casing. With stainless steel wire, chrome-plated brass dash fittings. **7-ft. $5.50; 10-ft. $6.10; 15-ft. $7.10 Casing and wire. 100-ft. rolls, 19c per ft.**

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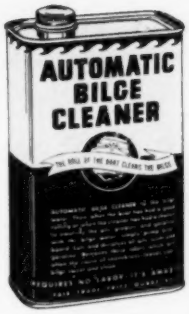
Hi-Heet, Small Can 25c; Large, 50c. Lights easily even at low temperature, burns with a blue flame.

Automatic BILGE CLEANER

Let the ROLL OF THE BOAT Clean the Bilge!



Every year more boat owners buy Sudbury Automatic Bilge Cleaner than any similar product. Reaches where nothing else can; gets all grease and scum. Just pour a little into the bilge, let the roll of the boat do the dirty work. Emulsifies floating gas and oil so it mixes with bilge water. All goes overboard when you pump the bilge. Exclusive deodorizing additive, Mirasol, not only ends all bilge odors — even from diesel oil — but kills odor-causing bacteria.

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100% Transparent

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SHOCK-CORD (ask for prices)

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LARSONS are fast . . . lapline hulls create a mixture of air and water under the boat—breaking the "drag barrier." (Scientifically: water surface tension and flat surface suction.) LARSONS plane quickly even with smaller motors . . . the lapline hull lifts from the water.

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LARSONS turn fast with safety . . . each lapline is a tiny keel that holds in a sharp turn. A lapline hull is just one of the distinct differences in LARSON.

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All American . . . a big 16' runabout with flat-decked rear cockpit. One piece fiberglass hull formed by new Rand Gun process — a better boat for less cost. *With convertible top* $985 to $1,150.*

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*All prices F.O.B. Boat Works. Complete accessories included. (Higher East, West, and Canada.)

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23-Ft. Cavalier Express Cruiser

READERS REPORT:

BOAT AND MOTOR TITLES

The article on boat and motor thefts in your November, 1958, issue was quite interesting. To put it mildly, the insurance record for theft is terrible. Down here we have had quite a number of instances where the entire rig —boat, motor and trailer—was stolen. The classic loss we had was on the Fourth of July, 1955. Our Assured pulled his 14-foot Yellow Jacket out at a marina on Lake Texoma and washed it out. He set it back in the water at the dock where there was a large number of people, and took off for about an hour. When he came back, someone had taken off the motor and all controls. This occurred just before noon.

We have discussed the matter with the officers and the National Board of Wm. H. McGee & Co., Inc., Marine Underwriters). The only way to stop it is to have boats and motors registered and certificates of title obtained just like you do where you own an automobile.

Gilbert Easley
Dallas, Tex.

70,000 READERS

The Coast Guard has been making available various pamphlets to your readers through your "Free Aids to Better Boating" column. However, our supply of MOTORBOAT SAFETY is now exhausted, and it is requested that the listing of this publication be discontinued.

You may be interested to know that the Coast Guard has distributed over 70,000 publications through your column, 15,000 of which have been MOTORBOAT SAFETY.

R. A. Smith, Capt., USCG
Washington, D. C.

EMERGENCY STOP

Mr. Lepley's suggestion in your November, 1958, issue regarding killing an outboard engine by using the choke in event of control failure is an excellent one. However, using the choke is not always a foolproof method. This summer I had the misfortune of losing my throttle linkage during full throttle as a result of a pin slipping out of place within the control box. Although the choke was in perfect working order, it only slowed the motor down a few rpm. Leaving the wheel of my 13-footer to go back to the engine would have been quite hazardous. Fortunately, the pressurized fuel tank was within reach behind the front seat and I was able to stop the engine by removing the tank's filler cap.

Here's hoping this idea may save someone else some embarrassment, if nothing more, should the "choke to stop" method fail.

Walter Wiese
Portland, Ore.

MISSISSIPPI BOATING

To The Boating Public

It is a genuine pleasure to extend to each of you a cordial welcome to visit the beautiful Gulf Coast and participate in the popular sport of boating.

Mississippi's Gulf Coast has every facility for your boating pleasure, and I appreciate the fact that this sportsman's paradise is being recommended to you by Popular Boating.

I sincerely hope that you can find it possible to visit the beautiful Gulf Coast and enjoy this ever growing and popular sport.

J. P. Coleman, Governor
State of Mississippi

See "The Sunny Semi-Circle on the Gulf Coast" starting on Page 82 in this issue.—Ed.

LET GEORGE DO IT

To The Editor:

You will probably hear this refrain from others, but on the theory that the "others" may be guided by the "Let George Do It" theory and *not* write, I take the liberty of doing so.

There is an error of fact in the December, 1958, issue of Popular Boating, page 66, Boating Regulations, Florida. Your story plainly states that in Florida "commercial" boats engaged in salt water fishing shall be licensed.

That is an error.

In Florida, under law, *all* boats used for salt water fishing, regardless of ownership or purpose, are required to carry a State Board of Conservation license tag permanently attached inboard. All private craft, even if owned and operated purely for pleasure and recreation, must be so licensed, *if* used for fishing.

Exempt are boats obviously and exclusively used for such sports as water skiing. But there have been many, many cases where the Conservation Agents have followed the theory that a boat "capable" of being used for fishing must be licensed—leading to a few court cases. I know for a fact that Conservation Agents have even issued summonses to people living aboard boats permanently docked at marinas.

The license fee involved is small. It's $1.05 for a boat reaching 20 feet in length and breadth combined, with an increase in fee for each additional foot. Most small craft pay the minimum fee, or at most a small amount above that. But the license is required of more than just commercial fishing

(*continued on page* 14)

5 Reasons why you get a better boat when it's built with Weldwood Royal Marine Plywood

1

CHOICE WOODS, selected for their toughness, rot resistance, and workability. Resist impact, give years of service in fresh and salt water.

Hi Liner 16-foot Fleet Star

2

ENGINEERED CONSTRUCTION, produced expressly for marine use. Uniform ply thicknesses with tight cores provide strong panels which do not trap destructive water vapor within the panel.

3

GUARANTEED NOT TO DELAMINATE —EVER. Plies are bonded with high-quality waterproof phenolic glue that withstands oils, fungus, cold, and baking sun.

Carter Craft Sea Lark "14"

4

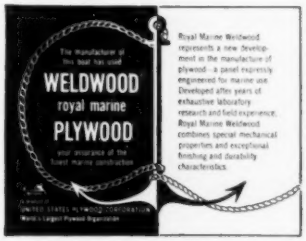
FINISHES BEAUTIFULLY painted, stained, or natural. Rich-grained mahogany, smooth tight fir, or cellulose fiber-phenolic resin overlay (on Duraply)—each tops in its class for maximum boat finishing beauty.

5

EXHAUSTIVELY TESTED and backed by United States Plywood Corporation, the world's largest plywood organization, to give you years of boating pleasure.

Enthusiastically received by the boatbuilding industry, Weldwood Royal Marine Plywoods are used by the nation's leading boatbuilders for assured seaworthy construction, trim good looks, and your lasting satisfaction. Actual performance records, such as the Mercury Outboard Motors 50,000-mile endurance runs using Raveau boats made of Weldwood Royal Marine Plywood, attest to the durability and structural soundness of this premium boatbuilding material. Thousands and thousands of boatowners are enjoying new low maintenance boating economies in boats carrying the Weldwood Royal Marine Plywood label. Look for it on the boat you buy.

Building your own boat? You can identify genuine Weldwood Royal Marine Plywood by the Weldwood brand on its gold edge. Available through leading boatyards, marinas, and lumber dealers.



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New PROTEXALL "Deluxe" MARINE FIRE EXTINGUISHER

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Inexpensive, compact, easy-to-use . . . BUT . . . it packs the fire-killing wallop of *four* 1-qt. carbon tetrachloride and chlorobromomethane extinguishers!

- Harmless dry powder smothers all types of flame instantly . . . no foam, no mess, no fumes . . . no danger of electrical shock.
- Never needs recharging or attention unless used . . . valve is moisture, vibration and shock proof.
- Coppertone finish to match boat appointments . . . will not rust or corrode . . . never needs polishing.
- Easy, inexpensive to refill after use.

ONLY $22.95 INCLUDING CLAMP BRACKET
$23.95 in the West

Your boat must have approved fire extinguishers. Check with your U.S. Coast Guard Station. Protexall Deluxe has U.S.C.G. Approval No. 162.010/68/0.

AT YOUR MARINE DEALERS

World's Largest Manufacturers of Fire Protection Equipment

AMERICAN LAFRANCE
DIVISION OF STERLING PRECISION CORPORATION
ELMIRA, N.Y., U.S.A.

(*continued from page* 12)
boats in salt water.

Jim Martenhoff
Miami Daily News
Miami Fla.

ANTI-FOUL BLOW

In Designer Robert Shekter's recent excellent article about his yawl, Amathea, he seems to say that anti-fouling paint is not needed for a fiberglass bottom. Since when?

Harrington Blander
Portland, Ore.

Mr. Shekter, in Europe on P-B assignment covering new developments, promptly cabled "Foul" when that misprint appeared on a Stockholm newsstand. Every hull of course, moored in salt water (and fresh water as well in some areas), must be treated with the best anti-fouling paint available. We are awarding a well-barnacled bottom to the proofreader who cured one of boating's most bothersome problems, since time began, by dropping one word.—ED.

TOXIC EXTINGUISHERS

In your December issue you state that toxic vaporizing liquid-type fire extinguishers will no longer receive Coast Guard approval for use aboard pleasure boats after January 1st, 1959. You also state "prohibited are carbon tetrachloride and chlorobromomethane types."

The manufacture of these types of fire extinguishers will no longer be Coast Guard approved, but they will accept toxic type liquid fire extinguishers that are in use until January 1st, 1962, at which time the approval will be withdrawn, and they no longer will be legal.

Your readers may feel, from reading this article, that they must throw away their Pyrenes and immediately put on a CO_2 or a dry chemical extinguisher, thus putting them to considerable unnecessary expense three years before such action is required legally.

H. G. Brown, President
Five Towns Boating Assoc.
Woodmere, N. Y.

While extinguishers of the potentially toxic type may be legally kept aboard through 1961, the careful boatman should want safe equipment available as soon as possible.—ED.

SQUARE RIGGERS

For many years I have been looking for a square rigger or large schooner for the purpose of turning her into a restaurant and museum, but up to date I have not been able to locate one. If you are aware of such a vessel I will appreciate any information you may have concerning her whereabouts, etc.

Clement Bennett Ashbury
East Orange, N. J.

Square riggers are a little hard to come by these days. Perhaps one of our readers can help you.—ED.

The Day Sailer, designed by England's Uffa Fox, is a big boat 16'-6" long. It is perfect for group fun, fishing or day cruising, and will accommodate six or sleep two people overnight. The small cabin provides protection from the weather. Spars are aluminum and hardware bronze. Fittings are Tufnol while sails are Dacron. Color is molded in. Takes up to 18 hp motor. The Day Sailer sells for a little over a thousand dollars less sails.

3 SUPERB DAY SAILERS

FLEET DISCOUNTS OFFERED

These three boats were designed for family enjoyment —for the man who wants to take his family picnicking, sailing or exploring in comfort. They were designed by famous marine designers and their performance will delight both the experienced skipper as well as the novice.

All are molded by Marscot Plastics of fiberglas for long life and minimum maintenance. They are unsinkable, roomy and safe. These boats are easy to car-trail and are quickly rigged. Read the specifications of each and make your choice.

Send for complete details.

The Inter-Club Dinghy was designed by the famous firm of Sparkman & Stephens, and measures 11'-6" by 4'-7". Although smaller it is undecked and so provides ample space for stowage and passengers. Developed for and extensively used for frostbite racing and college clubs, this able little dinghy is easy to rig (one sail) and may be readily car-topped. Oak tiller, mahogany centerboard and rudder, chrome-plated bronze fittings and Dacron sail make this a deluxe little dinghy. Sells for a little over $700 less sail.

The Ospray, designed by the well known Palmer Scott, has many of the Day Sailer features. It is a foot shorter with a beam of 5½ feet. Aluminum masts, cabin, fiberglas color-molded-in hull, bronze hardware and Tufnol fittings and Dacron sails make the Ospray an exceptionally fine value. She sells for a little under a thousand dollars less sails.

THE NEWEST FAMILY BOATS

GEORGE D. O'DAY ASSOCIATES INC.

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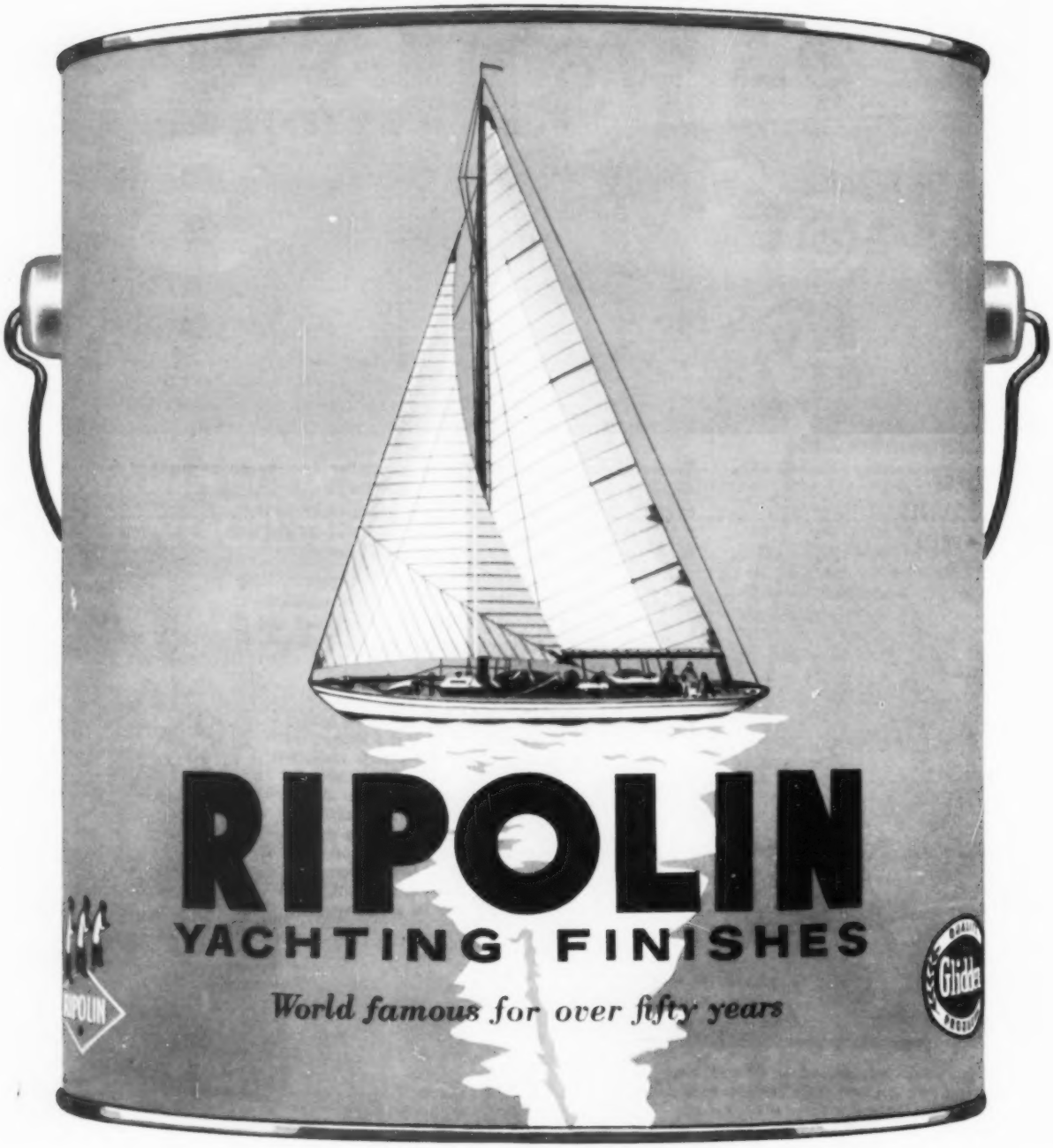
Connecticut Office: POST ROAD, WESTPORT

INTRODUCING...



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- Stains and Varnishes, specially formulated for marine use.
- Bottom Paints—anti-fouling or racing bottom finish.
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- Fine marine brushes.

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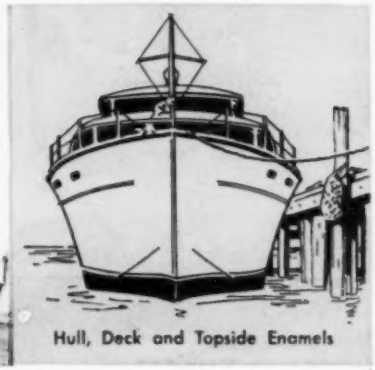
a superb line of Marine Finishes

RIPOLIN

HONORED NAME IN EUROPE FOR OVER 50 YEARS

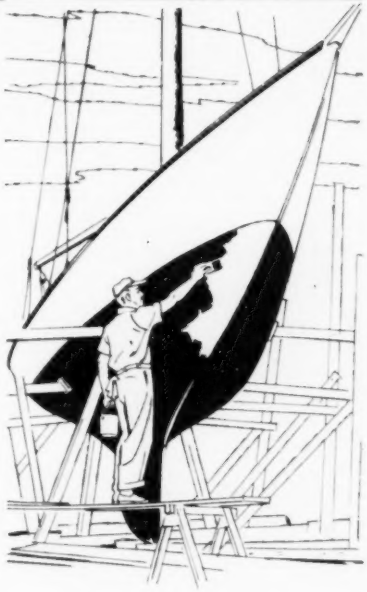
Ripolin was selected for the Admiralty vessel, "Britannia" — the Royal Yacht of Her Majesty, Queen Elizabeth II.



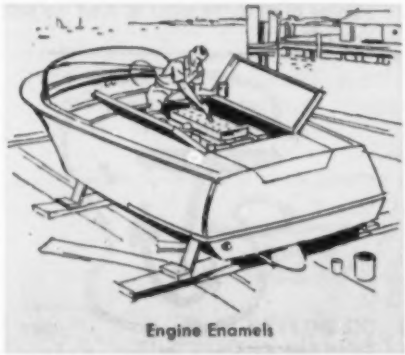
Hull, Deck and Topside Enamels

From the "auto-trailer fleet" to the sleek yacht class, all boats now can have one thing in common: *a rich look of extra luxury that will last the entire season!* It's been proven through over half a century in Europe, where Ripolin Marine Finishes first became popular and still lead in demand.

There's a Ripolin product for every use—inboard or outboard – from high-gloss topside enamels and superb stains to dependable, protective engine enamels. This spring, start with the best, the fine full bodied Ripolin products that mean no mid-season painting. Now made by Glidden in the United States under exclusive license, and available from Glidden paint dealers or your marine supplier.



Anti-Fouling Bottom Paints



Engine Enamels

Semi-Gloss Interior Cabin Finishes

Stains and Varnishes

Summer's Coming . . .

and I rigged my boat for fun and safety

Now's the time to get your Kaar 249 ship-to-shore radiotelephone.

Rig your boat for fun and safety! Be ready for this summer . . . and for every one of your boating holidays to come.

It's a quality lifeline and funline for every day of the year! A handsome, reliable, splash-proof Kaar 249! Featuring a transistorized power supply, the radiotelephone comes as a ready-to-install package. Plug in connections for portability. Mounts almost anywhere in any boat, from a 14-ft. outboard to a luxury cruiser. Use the Kaar 249 for music, telephone, ship-to-ship talk, and as a floating lifeline to the Coast Guard, if needed. The rig means fun and safety for the boating family on a holiday!

Package includes unit, matched antenna, antenna mounts, crystal kit, and microphone. **$299.00** f.o.b. Palo Alto

See the Kaar 249 at the Chicago Boat Show. See your Kaar dealer or fill in the coupon below.

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Books for Boatmen

Boating books may be ordered through your local bookstore.

Cooking Afloat, by Kathrene Pinkerton. M. Barrows & Co., Inc., illustrated. Price, $3.50.

Here are 350 recipes for the cruising boatman, plus guides for buying and stowing food and supplies, and a guide for selection of galley equipment and tools. One thing is certain: Mrs. Pinkerton is an authority in both the cooking and cruising fields. With her husband and daughter, she spent

seven years cruising in the waterways of British Columbia, which means that the recipes in this book have been sea tested. Illustrations are by Ginnie Hofmann.

Salts of the Sound, by Roger Williams McAdam. Stephen Daye Press, 240 pages, illustrated. Price, $5.00.

This is the history of the men and ships of the steamboat lines that operated from New York to New Haven, New London, Providence, Fall River, Boston and other points in Connecticut, Rhode Island and Massachusetts.

To the summer boatman who sees Long Island Sound as pleasant cruising grounds with occasional squalls, it may come as a surprise to find that the professionals who had to navigate scheduled passenger ships through winter storms and ice, through fog at any time of the year, and through the congestion of traffic on New York's East River considered the Sound the "most dangerous waters in the world." Author McAdam makes this point early in his history, and backs it up throughout the book with reports of disasters and near disasters.

First published in 1939, this revised and enlarged edition contains a lot of fascinating reading, but it has a couple of annoying faults. One is that presentation of material is confused in spots. A discussion of a captain digresses into a discussion of two or three steamers, and the captain is forgotten until he pops up in a section about another ship elsewhere in the book. Also, the author refers to his captains as the "man in the middle window" too often for our taste.

Long Pig, by Russell Foreman. McGraw Hill, 362 pages. Price, $4.95.

Back in the days of Captain Bligh, South Pacific islands were not all as pleasant as Tahiti, particularly the Fiji group, which were inhabited by cannibals.

This novel, to some extent, is based on history. An American ship, *Argo,* was wrecked on a reef in the Fijis early in the 19th century. The survivors were thought to be gods by the islanders because they smoked—and had guns. But apparently the natives were susceptible to a disease brought ashore by the Americans. At any rate, many of the islanders died. No one knows what happened to the ship's crew after this.

In Mr. Foreman's book, the hero, Oliver Slater, *Argo's* first mate and one of two survivors of a massacre, mutiny and sundry disasters, escapes with his co-survivor and an island girl in an outrigger canoe. This trio makes its way to another cannibal stronghold, but there they live on the best of terms with the local chief and his merry men—right up to the bitter end.

A-Boating We Will Go, by Enid Wolf. McGraw Hill Book Co., Inc., 336 pages, illustrated. Price, $5.50.

This is what amounts to a manual for the woman who cruises. It covers basic boat handling, stowage, nautical language, cooking, housekeeping, rules of the road, and other information of interest and consequence for the First Mate. Mrs. Wolf, who has her Women's Certificate of qualification from the U. S. Power Squadrons, has been writing for national magazines since 1948.

Building A Ship In A Bottle, by Raymond H. Biggs. The Bruce Publishing Co., 64 pages, illustrated.

We are not quite sure why people build boats in bottles, but it is done. This is the step-by-step how-to-do-it manual for this hobby. It looks fairly simple: certainly the illustrations and text are comprehensive enough to us. Just how simple the job is we won't know until we've tried it. And we will. —T.R.B.

EXQUISITE BEAUTY

—gleaming, wrap-around glamour that only the sparkling beauty of glass can give you.

COMPLETE VISIBILITY

—crystal-clear and distortion-free with no obstructions to wide angle vision. And no worry about vision-impairing scratches!

ONLY BOATS WITH TAYLOR MADE SAFETY GLASS WINDSHIELDS ARE '59 NEW!

Crystal-clear beauty... scratch-proof... built to last a lifetime!

The difference between just any boat and one that's '59 *new* is this sparkling, crystal clear wrap-around windshield of *Tempered Safety Glass*, exclusively Taylor Made!

The specially treated, super-strong heat-tempered glass has proved resistant to impact, stress and strain. So strong that in actual tests, a pound-and-a-half steel ball dropped 20 feet didn't mar its beauty!

A Taylor Made Safety Glass Windshield means you can enjoy the safety and convenience of windshield wipers too! And you can polish this windshield to your heart's content . . . it's scratch-proof!

Don't settle for last year's features. Insist on a '59 *new* boat when you buy! A Taylor Made Safety Glass Windshield is *the* feature for '59 on the finest boats coast-to-coast.

SUPER STRENGTH

—specially treated, heat tempered glass that has been tested and proved resistant to impact, stress and strain.

EXTRA ECONOMY

—you can have this '59 new glamour at a surprisingly low price. And Taylor Made Tempered Safety Glass is built to last a lifetime of carefree boating!

write for free full color catalog and list of boat manufacturers featuring Taylor Made Safety Glass

Taylor ★ MADE

N. A. TAYLOR CO., Inc., GLOVERSVILLE 11, N. Y.

THE FINEST MARINE EQUIPMENT IS TAYLOR ★ MADE

SCOTT leaves all other

Full electrical system with generator, full gearshift . . . the 60 hp Flying Scott!

You're looking at the most exciting new outboard in America. Rugged as an Army mule. Compact as a watch. Lean and light enough to fit a wide range of boats—even in pairs!

With only three cylinders, the Flying Scott delivers a strong 60 horsepower* that planes big cruisers, tows water skiers effortlessly—and sends runabouts flying at up to 50 mph! The secret: a bold, simple new design that trims bulk, cuts vibration, and delivers more smooth power at the prop.

Yet for all its lightning, this sweet sixty handles as easily as a new car. You start it with the turn of a key (full electrical system with generator is standard, no extra cost). As you cruise, the new offset lower unit counteracts propeller torque for easier steering. New Single Lever Control (optional, extra cost) synchronizes your throttle and full marine gearshift, gives you safe, sure command of your boat. And Scott's bail-a-matic pump bails your boat—automatically! $950, freight extra.

*OBC certified at 4800 rpm.

MARINE PRODUCTS DIVISION McCULLOCH

outboards years behind!

Lean, light and loaded with "go"... the lively new 25 hp Scott!

What's your pleasure—skin-diving, skiing, or just skimming the waves? The lean, queen-sized new "25" was born for fast action, brimming with eager power.

Over 29.9 cubic inch piston displacement delivers power that puts her into the "big motor" field. New deep-breathing double "V" valves let you gun her smoothly from easy idle to wide open throttle.

Rubber cushion mounts and idle relief exhaust add hush to her hustle. Steering's easier, thanks to an offset lower unit that counteracts propeller torque. And Bail-a-matic power bailing ends forever an old boating chore.

Choose manual or turn-key electric-starting; choose from six smart hood colors. Let the high-style, high-spirited 25 hp* Scott add new fun to your happy days! Manual starting, $449; electric starting with generator, $529. Freight extra.

10 NEW SCOTTS—3.6 TO 60 HP

Ask your dealer about a *Scott-powered outboard combination that suits your brand of outboard fun. Or send for colorful free 1959 Scott catalog. Write Scott Folder, Dept. PB-29, at address below.

CORPORATION MINNEAPOLIS 13, MINNESOTA

Beautiful...
but oh, so tough!

MFG

THE HULL IS THE REASON

Both 15 and 13-foot "MFG" Boats feature the famous, tough MOLDED FIBER GLASS hull . . . with all-over lapstrake design . . . molded under heat and high pressure in matched metal dies . . .

STRONGER pound for pound than any other hull because of greater glass density (achieved by the high-pressure molding) . . . and because of tough fiberglass ribs used for additional reinforcement . . .

EXTRA STABLE because of high freeboard, soft chines and more beam than any other boats of comparable size . . .

FAST, EASY TO HANDLE because of the deep, wide, soft-chined lapstrake hull design . . .

EASY TO CARE FOR — no painting for protection, no caulking, no rotting, no corroding . . .

BEAUTIFUL — sleek, stylish, traditionally designed, mahogany-trimmed . . .

ECONOMICAL—because "MFG" is mass produced.

Choose your "MFG" from the six eye-catching models for '59, priced from $345 to $615 f.o.b. factory. Write today for free, colorful literature.

MOLDED FIBER GLASS Boat Company

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GREATEST NAME MOLDED FIBER GLASS IN REINFORCED PLASTICS

MORSE PRESENTS FOR '59

THE VERSATILE, ALL-NEW MODEL "ML"

SINGLE-LEVER OUTBOARD CONTROL

- ★ FAST, POSITIVE, SYNCHRONIZED CONTROL of shift and throttle from a single lever.
- ★ MAXIMUM PROTECTION OF MOTOR AND CLUTCH—Automatically closes throttle before shifting
- ★ SAFE, INSTINCTIVE HANDLING—Your boat moves with the lever—ahead as the lever moves forward and backward as the lever moves back.
- ★ NEUTRAL THROTTLE LEVER provides limited throttle for starting and warm-up—locks shift at neutral while in fast idle, for positive motor protection.
- ★ ALL-MECHANICAL CONSTRUCTION—With the time-proven MORSE-ACTION used for years on all types of boats from outboards to ocean liners.
- ★ SIMPLICITY—Only two basic moving parts. Friction and backlash reduced to a minimum.
- ★ TWIN CONTROL—Combined, as a pair, provides Single-Lever control to each motor. One hand synchronizes both motors.
- ★ MOUNTING—Right or left hand for either single or twin motors.
- ★ SLEEK, SLIM STYLING—Extra thin body for twin engine control. Beautiful, modern design. Durable off-white baked enamel finish.
- ★ EASY TO INSTALL—FITS ALL BOATS

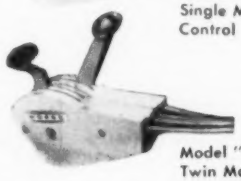
Model "ML" SINGLE-LEVER Control for Single Motor

Model "ML" SINGLE-LEVER Control for Twin Motors

ALSO NEW FOR '59

For smooth, trouble-free, two-lever control, be sure to see the new Morse Model "TL." This inexpensive two-lever unit is designed for universal use—for right or left mounting—for single or twin motors—push or pull-open throttles. Heavy duty disc type throttle brake—aluminum, nylon and stainless steel construction.

Model "TL" Single Motor Control



Model "TL" Twin Motor Control

This is the control for you! This new Morse Model "ML" Single-Lever Control provides complete ONE-HAND control of shift and gas . . . gives you "automatic transmission" at your finger tips and positive protection of shifting mechanism. Time-tested, dependable MORSE-ACTION translates the slightest movement of the control lever into instant, effortless action. Combined in pairs, the versatile Morse "ML" provides ONE-HAND control of twin outboards from either right or left hand mounting. See the new Morse "ML" Control first — then compare. You'll be back for yours.

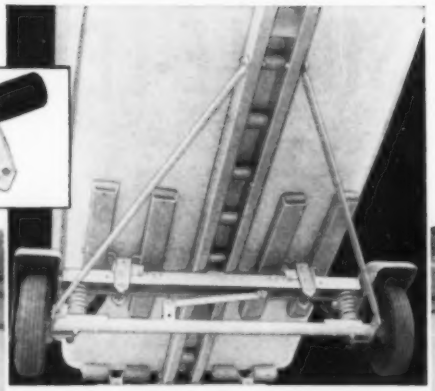
SEE your Marine Dealer for the complete line of Morse Engine Controls for both inboard and outboard engines, Morse Docking Lights and Morse Chargicators or write Morse for literature.

MORSE ACTION

THE MORSE INSTRUMENT CO.
39 CLINTON ST., HUDSON, OHIO

Holsclaw® BOAT TRAILERS

FLOATS YOUR BOAT ON RUBBER ROLLERS

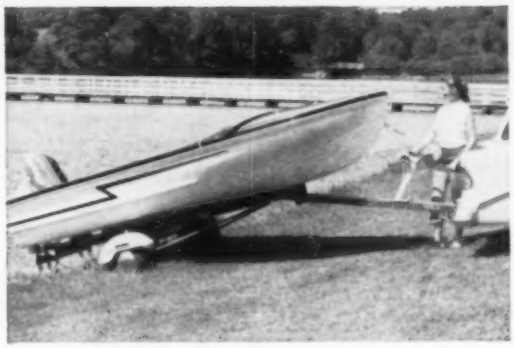


UNEQUALLED SUPPORT

This bottom view of a keel-less boat graphically demonstrates the unequalled support provided by a Holsclaw Trailer.

PROTECTS the bottom lines you paid for!

Your boat rides on its bottom. That's why it's good economy to buy the trailer that supports your boat entirely on rubber as though it were floating in water. Full keel support . . . full planing surface support . . . full transom support. Best for any kind of boat *with or without keels* — wood, aluminum, or Fiberglas. Smooth, safe trailing, too, because the axle is the strongest on any trailer and exclusive variable pitch coil springs assure a soft ride for any weight boat. Loaded with many other engineering firsts that give you more trailer for your money.



EASY TO LOAD AND UNLOAD!

The rubber rollers that protect the bottom lines of your boat also make it easier to load and to launch. Tilt tongue model shown here especially designed for those with unusual loading conditions such as gradual shore line or sharp drop-off near water's edge.

FEATURE FOR FEATURE —
Highest Quality at Lowest Price

SEE YOUR HOLSCLAW DEALER OR SEND COUPON FOR NEW FREE CATALOG

Please send me free catalog right away. PB

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HOLSCLAW BROS., Inc.

466 North Willow Road · Evansville, Indiana

BULKHEAD BULLETINS

BOAT SHOWS

NORTH & EASTERN STATES

Jan. 16-25—**New York, N. Y.**, National Motorboat Show, N. Y. Coliseum.

Feb. 21-Mar. 1—**Asbury Park, N. J.**, Jersey Coast Boat Show, Convention Hall.

Feb. 21-Mar. 1—**Buffalo, N. Y.**, Boat, Travel & Sports Show, 147th Armory.

Feb. 22-Mar. 1—**Boston, Mass.**, New England Boat Show, Commonwealth Armory.

Feb. 27-Mar. 7—**Philadelphia, Pa.**, Motor Boat & Sportsmens Show, Convention Hall.

Mar. 5-8—**Syracuse, N. Y.**, Third Annual N.E. Sports Show, Onondaga County War Memorial Bldg.

Mar. 6-11—**Baltimore, Md.**, Chesapeake Bay Boat Show, 5th Regiment Armory.

Mar. 7-15—**Jamaica, L. I., N. Y.**, Long Island Boat & Sportsmens Show, 104th Field Artillery Battalion Armory.

Mar. 19-22—**New Haven, Conn.**, Connecticut Boat Show, New Haven Arena.

MIDWESTERN STATES

Jan. 16-24—**St. Paul, Minn.**, Land-O-Lakes Boat Show, St. Paul Auditorium.

Jan. 24-Feb. 1—**Detroit, Mich.**, Detroit Boat Show, New Light Guard Armory.

Jan. 30-Feb. 8—**Kansas City, Mo.**, Boat, Sports & Travel Show, Municipal Aud't'm.

Feb. 6-15—**Chicago, Ill.**, Chi. National Boat Show, International Amphitheater.

Feb. 20-Mar. 1—**St. Louis, Mo.**, Midwest Sports Show, St. Louis Arena.

Mar. 10-15—**Omaha, Neb.**, Omaha Sports, Vacation & Boat Show, Civic Auditorium.

Mar. 13-22—**Cleveland, O.**, American & Canadian Sportsmens Vacation & Boat Show, Public Auditorium.

Mar. 14-22—**Milwaukee, Wis.**, Milwaukee Sentinel Sport Show, Arena & Auditorium.

Mar. 14-22—**Detroit, Mich.**, Greater Michigan Boat Show, Detroit Artillery Armory.

Mar. 27-Apr. 5—**Minneapolis, Minn.**, North West Boat, Sport & Travel Show, Aud.

Mar. 31-Apr. 5—**Des Moines, Iowa**, Iowa Sports & Vacation Show, Auditorium.

Apr. 15-19—**Green Bay, Wis.**, Wisconsin Sports Show, Brown County Veterans Arena.

SOUTHERN STATES

Feb. 20-25—**Miami, Fla.**, Miami International Boat Show, Dinner Key.

Feb. 27-Mar. 6—**Atlanta, Ga.**, SE Boat & Vacation Show, Municipal Auditorium.

Mar. 3-8—**Dallas, Tex.**, Southwest Boat Show, Dallas Memorial Auditorium.

Mar. 3-8—**San Antonio, Tex.**, San Antonio Sport & Boat Show, Bexar Cty. Coliseum.

Mar. 4-8—**Richmond, Va.**, Richmond Boat Show, Atlantic Rural Exposition Bldg.

Mar. 17-22—**Richmond, Va.**, Virginia Motor Boat & Sportsmens Show, Arena.

Apr. 11-19—**Dallas, Tex.**, Southwest Sports & Vacation Show, Auto. Bldg., Fair Pk.

PACIFIC & WESTERN STATES

Jan. 23-Feb. 1—**San Diego, Calif.**, San Diego Boat Show, Electric Bldg., Balboa Pk.

Feb. 11-15—**Spokane, Wash.**, Spokane Outboard Club Boat Show, Interstate Fairgrounds.

Feb. 21-Mar. 1—**Portland, Ore.**, Portland Boat Show, Pacific Intl. Livestock Bldg.

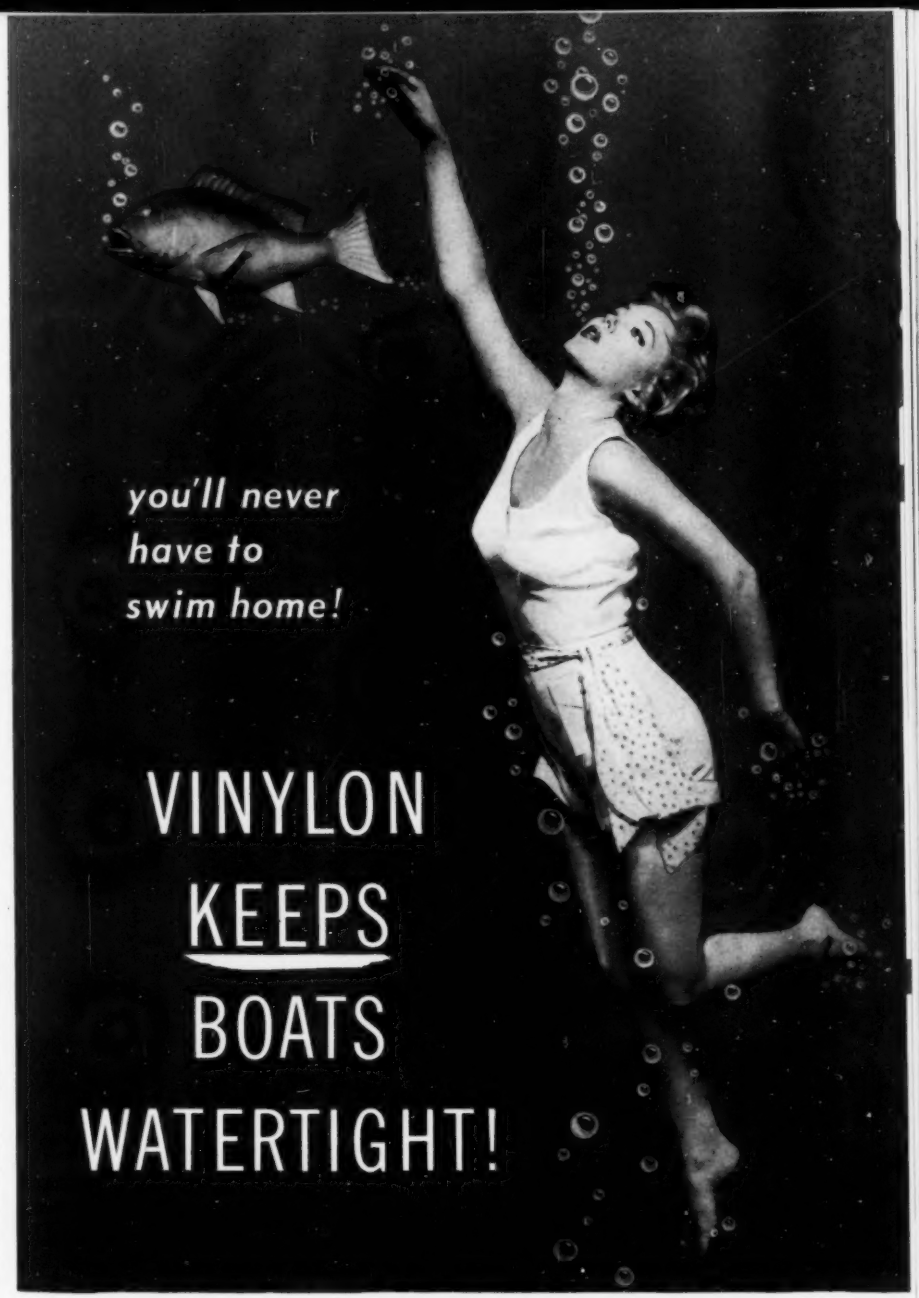
Feb. 27-Mar. 8—**San Francisco, Calif.**, S.F. National Sports & Boat Show, Cow Palace.

SAIL REGATTA

Feb. 7-8—**Tampa, Fla.**, "110" Mid-Winter Regatta.

NOTICE

American Power Boat Association regatta news is featured on page 54 of this issue.



Nobody says it replaces caulking or closes open seams. But VINYLON does stop annoying seepage. . . keeps your craft snug and dry all season!

VINYLON Liquid Plastic gives your boat the most colorful, glistening finish afloat. Applied like paint, it forms a tough, elastic watertight skin that stretches as much as 100%. VINYLON won't crack, chip, peel or come apart at the seams.

Easy-to-use VINYLON is recommended for wood, metal, fiberglass . . . and especially for canvas. Goes on easily over well-bonded paint or on new surfaces. No burning, scraping or wooding down.

Try VINYLON this season. You won't want to repaint next year. After that only one coat about every two years maintains the beautiful resilient finish. Your dealer has VINYLON now in 12 colors, clear and non-elastic VINYLON Anti-fouling.

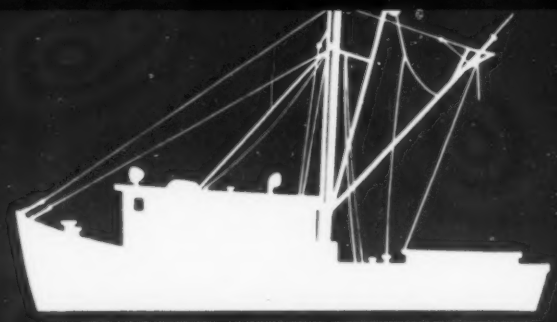
Vinylon colors & clear $5.95 per qt.
Vinylon Anti-fouling $7.00 per qt.

If your dealer can't supply you write for free literature, color card, actual sample strip and dealer list.

VINYLON®

ORIGINAL LIQUID PLASTIC MARINE FINISH
SEVEN SUCCESSFUL YEARS IN WORLD-WIDE USE

SURFACE COATING ENGINEERS, INC., 272 Doremus Ave., Newark 5, N.J.



NOW YOU CAN HAVE

SPERRY

New, low-cost navigating aids for pleasure craft...work boats... fishing boats...backed by nearly a half-century of Sperry's experience in serving the great naval and commercial fleets of the world. Get proved reliability like this:

Sperry Leadership in Radar is indicated by a customer list that reads like "Who's Who of the Shipping World" and includes among hundreds of ships the **S. S. United States,** shown here.

Sperry Leadership in Loran began during World War II when accurate position was a matter of life and death. Aboard liners and cargo vessels and on the giant world-traveling tankers like the **Esso Gettysburg,** it's Sperry Loran.

Sperry Leadership in Automatic Steering is known by the thousands of installations on world's merchant ships and by latest feat of helping to guide the **Nautilus** on her history-making dash under the North Pole.

NEW! SPERRY 10" RADAR

This new Sperry radar is first and foremost a precision instrument—designed to give you clear, clean, easy-to-read pictures. Provides five range scales—1, 2, 4, 8 and 20 miles—has a minimum range of 25 yards—can be used with any ship's power. It is sturdy and reliable to take the daily punishment of work boat use, yet styled to be at home aboard the most luxurious pleasure boats.

NEW! SPERRY LORAN

No matter what the weather—day or night—you can get an accurate fix in a minute or two with Sperry Loran. Remarkably simple to operate. As a pleasure boat owner you can pinpoint your course, make better time. As a work boat owner, you'll get where you want to go sooner and with savings in fuel. As a fishing boat owner you can return to your favorite grounds with precision every time.

NEW! SPERRY AUTOMATIC PILOT

You'll get accurate straight-line steering with this Automatic Pilot which features an easy-to-read, 6-inch compass and convenient course selector. Just set your course and relax. With a remote controller you can steer from any location on the boat. You can rely on Sperry automatic steering just as liner captains have done for nearly forty years.

At the Boat Shows you'll be able to inspect these new Sperry navigating aids. You can also get more information by wiring or writing our national sales agent, Triton Marine Products, 159 Great Neck Road, Great Neck, New York. *And remember, this is only the beginning.*

More Good News for Boat Owners! Still under wraps in the modern Sperry Piedmont plant in Charlottesville, Virginia, are *additional* types of marine equipment designed to provide greater safety and greater economy of boat operation. Like the Sperry equipment on these pages, they will provide time-tested Sperry reliability—but will be priced within reach of pleasure and work boat owners. Before you buy any new navigating equipment, keep this in mind—*now* you can have SPERRY!

SPERRY

SPERRY PIEDMONT COMPANY • DIVISION OF SPERRY RAND CORPORATION • CHARLOTTESVILLE, VIRGINIA • COMMERCIAL PRODUCTS DEPARTMENT

RICHARDSON 1909 – 1959 GOLDEN ANNIVERSARY

50 Years

"53" Golden Anniversary Motor Yacht

"43" Golden Double Cabin Salon Yacht

"35" Golden Jubilee Sedan

"40" Golden Jubilee Sedan

"31" Golden Express

"35" Golden Jubilee Express

THE GOLDEN FLEET FOR 1959

of Leadership

For 1959 Richardson presents its Golden Anniversary Fleet . . . a fleet of fine pleasure craft ranging from a sleek 24 foot day cruiser to majestic yachts of 43, 46 and 53 feet of seagoing glamour and luxury. All are the products of 50 years of experience and know-how that have commanded respect for Richardson Cruisers wherever power cruisers are discussed; that have made Richardson Cruisers the Standard of Comparison for sound construction and seaworthy value; that have made an investment in *any* Richardson a sound investment in happiness that will pay dividends year after year.

See the Golden Jubilee Cruisers at the Boat Shows

"46" Golden Anniversary Motor Yacht

"40" Golden Custom Sport

"40" Golden Jubilee Express

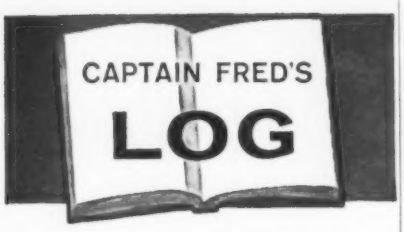
"24" Golden Utility

"31" Golden Commuter

"27" Golden Utility

RICHARDSON BOAT CO., INC.

NORTH TONAWANDA, N. Y.



It's been a great year for yachting!

The big event of 1958 was, of course, the America's Cup Race. "Columbia's" victory over the challenger "Sceptre" allowed the coveted "Aulde Mugge" to stay in its place of honor at the New York Yacht Club.

The Bermuda Race saw Carleton Mitchell sail "Finisterre" to his second victory against a record field of 111 starters. The Gold Cup was won by Edgar Kaiser's "Hawaii Kwai III." Meanwhile, in many outboard regattas around the country, spirited competitors were settling the various APBA Divisional Championships.

Fred E. Lawton

News of a different sort came, when Congress passed the new Federal Boating Act. This bill transferred to the states increased authority over their own navigable waters.

The past year also brought technological progress. Radio Direction Finders now feature transistors, Marine Radiotelephones are more compact than ever—and aluminum and fiberglass are being used more widely in yacht construction.

One especially pleasing trend was the growing interest in safer boating. The USPS, the USCG Auxiliaries, and other groups report increased attendance at their courses.

All in all, a fine year—with the promise of interesting new developments to come. For one thing, there are rumors of challenges to the America's Cup. And your state legislature should be enacting what I hope will be sound, constructive, and non-restrictive legislation to take advantage of the new Federal Boating Act.

Then, if you're like me, you've been eagerly awaiting the boat shows. They provide a great opportunity to plan new purchases—or just browse among the newest, most advanced equipment. You may also want to pick up some of the free safety information that the boating groups I mentioned above will be distributing at their booths.

Incidentally, I'll be at Raytheon's booth at the National Boat Show in New York, and I'll be looking forward to welcoming you personally. I'll be more than glad to answer any questions—or just talk boating. See you there!

Fred E. Lawton

Fred E. Lawton, Professional Sailing Master of America's Cup winner COLUMBIA, is a veteran of 30 years at sea. He is a popular speaker on marine safety to boating groups throughout the country.

SAFETY AND EDUCATIONAL AIDS
"SAFETY MAKES A HAPPY SHIP"

"Safety Makes a Happy Ship"

RAYTHEON MFG. CO.
MARINE PRODUCTS DEPT.
WALTHAM 54, MASS.

BOAT CLUB BEACONS

NEW AWSA HEADQUARTERS

THE American Water Ski Association, under the direction of Executive Manager, William Clifford, is now headquartered at Winter Haven, Florida, it was recently reported. Activities such as the development of tournament rules, sanctions, record-keeping, and publication of "The Water Skier" are conducted by AWSA independent of the parent organization, Outboard Boating Club of America.

Since 1954 AWSA has been under the guidance and sponsorship of OBC, 307 N. Michigan Ave., Chicago 1, Ill. However it was always understood, said Guy Hughes, Executive Director of OBC, that AWSA would reassume its original independent status when it was strong enough to do so.

With AWSA membership more than doubled in four years, and with more attention than ever being paid to the sport of water skiing, OBC and AWSA officials are reported to be confident the water ski group can stand on its own feet.

The new AWSA address is 7th Street and Avenue G, S. W., Winter Haven, Fla.

THREE NEW JET FLEETS RECEIVE CHARTERS

THREE new fleets have been chartered by The Jet-14 Class Association, it is reported, bringing the total number of fleets up to twenty-one.

The Jet-14 is an open cockpit, day-sailer intended for racing, however one Jet skipper, Joe Mills, of the Vineyard Haven Yacht Club Fleet, reports having cruised from Darien, Conn., to The Vineyard in June, a distance of 140 miles. His only discomfort, he said, during the three-day trip was caused by an inadequate ice-box which wouldn't keep the beer cold.

Henry M. Horn, 811 Duncaster Rd., Bloomfield, Conn., is president of the Class; Calvin J. Engle, 71-12 Drexelbrook Drive, Drexel Hill, Pa., is secretary.

PREFABRICATED LAUNCHING RAMP

THE State of Washington's Parks and Recreation Commission has developed a number of prefabricated, reinforced-concrete launching ramps which are low in construction and maintenance cost and substantially resistant to wave and current effects. The Outboard Boating Club of America, 307 N. Michigan Ave., Chicago 1, Ill., reports the concrete "planks" are cast in forms at a convenient location and hauled to the launching site on a flat bed truck equipped with an overhead monorail and chain hoist. At the site they are fastened together with galvanized steel straps. Detailed information appears in OBC's "Outboard Boating" Sept.-Oct. issue, page 23.

PROMISE OF EXPANDED CLASS RACING ON LONG ISLAND SOUND

CLIFTON W. HIPKINS, of the Riverside Yacht Club (Conn.), was recently named president of the Yacht Racing Association of Long Island Sound. Hipkins, a long time racing skipper in his club's Quincy Adams-17 class, succeeded W. Mahlon Dickerson of the Seawanhaka-Corinthian Y.C. (N.Y.).

One of the first items of business which fell to the newly installed president was an offer from a number of member clubs to expand racing activity on the eastern reaches of the Association's waters. Hipkins will arrange for discussions on how outlying clubs could increase their participation within the framework of YRA.

Everett B. Morris, of the Manhasset Bay Yacht Club (N.Y.), was renamed as head of the Junior Yacht Racing Association; Robert N. Bavier, Jr., was named Vice President, and Julian K. Roosevelt was named Secretary of YRA-LIS.

The Yacht Racing Association of Long Island Sound was organized in 1895 and now includes 1178 members, of which 645 are racing members. The Association reported a total of 148 measurement certificates on file for boats registered for distance-racing; 46 member clubs participate in the Association's activities, and 28 member clubs are active in the Junior YRA.

ANNOUNCEMENTS

THE Coast & Geodetic Survey recently announced publication of the 27th edition of nautical chart 5532, covering entrance and portions of San Francisco Bay. The new chart features a modernized format, and its limits have been extended eastward to include all of the Oakland Inner Harbor area.

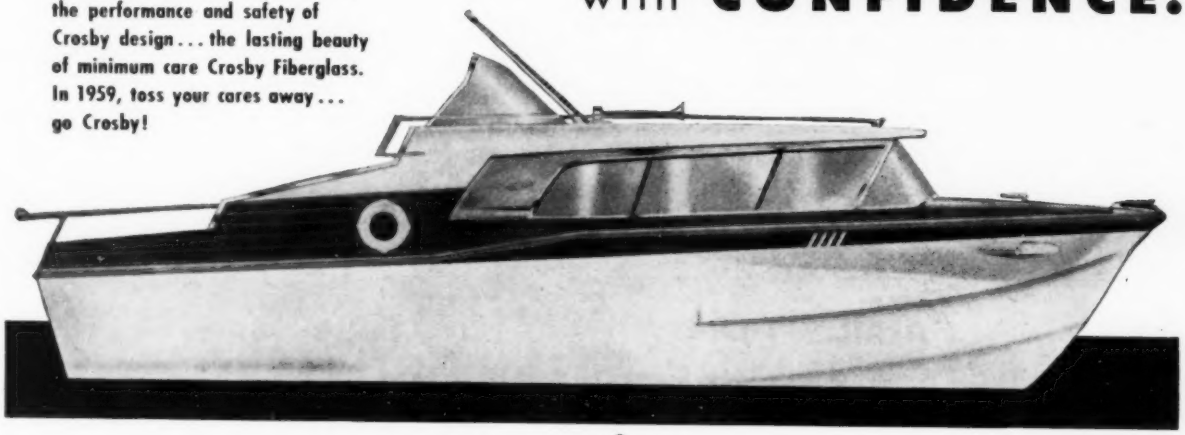
Probably one of the most significant changes of interest to boatmen, it is reported, is the simplified treatment given the topographic detail on the chart. The elevation of the land area has been clarified by the use of contours at 100-foot intervals. Street patterns, railroads, and docking facilities for the cities which fringe the bay are shown in a different manner than on previous editions, first of which was printed in 1903.

Blue overprint has been used on the chart to indicate a water depth of 36 feet or less. The configuration of the bottom is shown by depth curves at 6, 12, 18, 30, and 60 feet.

(*continued on page* 32)

IN 1959 GO - Crosby® with CONFIDENCE!

Put your confidence in the durable strength of Crosby construction... the performance and safety of Crosby design... the lasting beauty of minimum care Crosby Fiberglass. In 1959, toss your cares away... go Crosby!

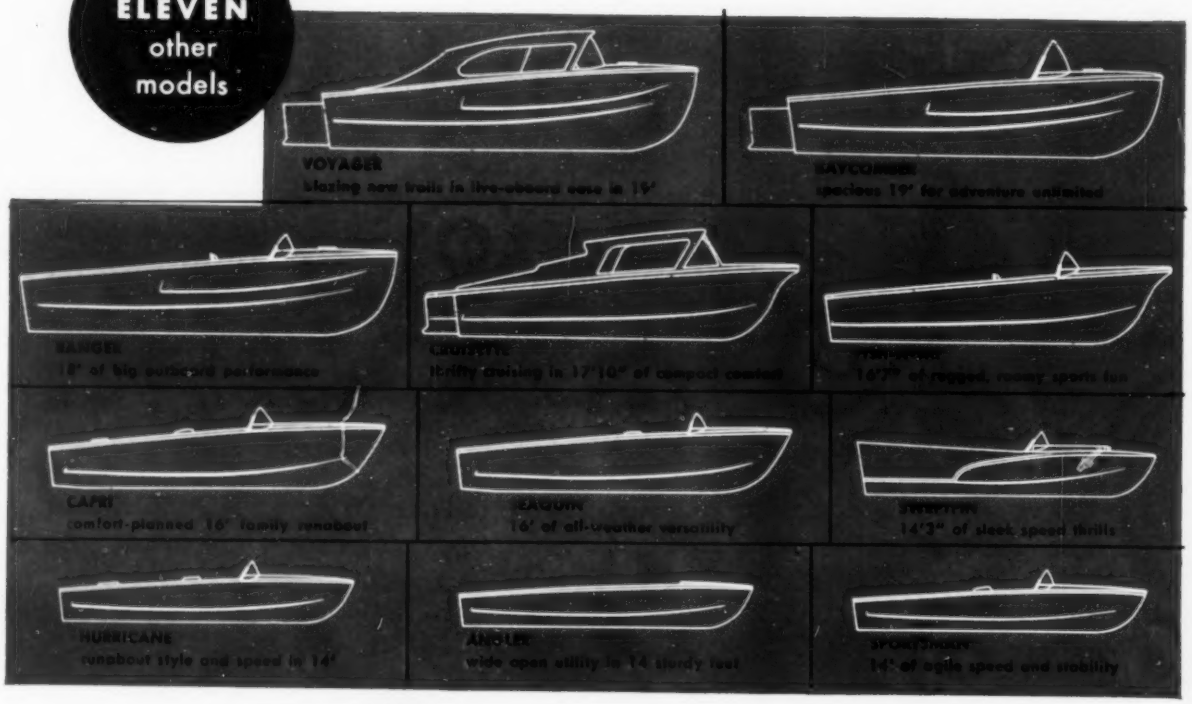


ANNOUNCING THE NEW *Antigua*

New in concept, new in design . . . the Antigua, a Crosby fiberglass-first, provides cruising luxury for four in 27′ 8½″* of gracious hospitality and adventurous spirit. Built-in safety and minimum maintenance, too.

*Outboard — 25′ Inboard Model.

featuring ELEVEN other models



Crosby® AEROMARINE
GRABILL, INDIANA

BEACONS

(*continued from page* 30)

COAST GUARD SEEKS COMMENT ON PROPOSED REGULATIONS

THE U.S. Coast Guard recently began distribution of its proposed rules and regulations to implement the Federal Boating Act of 1958 (Bonner Act) in the form of an agenda for public hearings scheduled to start in Washington on December 9. Written and oral comments were invited from the boating public, organizations, and industry.

The 28-page booklet, CG-249, contains 16 pages of proposed rules and regulations, the complete wording of the Federal Boating Act of 1958, and a letter from Rear Admiral Henry T. Jewell, USCG, chairman of the Merchant Marine Council, setting forth the call of the public hearing, and procedure for comment. There is also a brief introduction to explain the basic provisions of the Bonner Act.

The proposed regulations are divided into three sections. The first outlines the federal standards for numbering craft, as well as requirements for statistical information to be obtained, compiled, analyzed and published. Included are details on the numbering application forms, fees, and certificates of number.

Part II of the proposal takes up the sections of the Act dealing with boating accidents. It is proposed to require both a notice and a written report on each reportable accident to be submitted by the operator. The Coast Guard points out that these accident reports "will be a primary source of information on which statistics will be based, as well as a basis for recommendations for promoting safety of life and property, and the prevention or elimination of similar accidents in the future."

The third section of the suggested regulations describes the procedures to be followed in enforcement of the law by the Coast Guard.

Copies of CG-249 are available from the Commandant (CMC) U.S. Coast Guard, Washington 25, D.C., Coast Guard District Commanders, or any Coast Guard Marine Inspection office. When the current supply is exhausted, file copies for reading only will be available at Coast Guard national and district headquarters.

INTRACOASTAL WATERWAY BRIDGE BATTLE TO RENEW

THE "Bad Bridges Bill," S.1149, is to be rewritten and reintroduced early in the next Congress, reports the American Yachtsmen's Association, Annapolis, Md.

Last year, S.1149, a highway bill, was defeated on the basis that it would restrict traffic on the Atlantic Intracoastal Waterway, by the construction of fixed bridges with low vertical clearance.

Testimony from yachtsmen, commercial shipping and fishing interests, and services of the Defense Department were instrumental in defeating the bill.

STATE OWNED MARINA

THE STATE of New Jersey, Dept. of Conservation, is developing a handsome new marina for boatmen in the vicinity of Atlantic City. Located on Clam Creek, the "Atlantic City State Marina" has rates varying from $150 per annum for 30′ boats to $300 for 65′ craft.

Rates for short stays are available.

Requests for information should be mailed to Capt. Thomas E. French, Jr., Acting Supt., Atlantic City State Marina, Maryland and Huron Aves., Atlantic City, N. J.

84 YEAR OLD Y. C. SEEKS NEW MEMBERS

THE Knickerbocker Yacht Club, on Manhasset Bay, at Port Washington, N. Y., has announced that its membership lists have reopened. Past Commodore Dr. Irving Wyle, membership committee chairman, said that several old members had retired south, releasing mooring space, and applications from boat owners are invited.

The KYC, founded in 1874, is the nation's third oldest yacht club.

Applicants for membership may write Dr. Wyle at 32 Pool Drive, Roslyn, N. Y. — ⚓

FAMILY FUN IN FEBRUARY

Illustrated above is the 15-foot SEAFIRE

Headed South for a mid-year vacation? Why not make sure your family gets the most fun from the trip by hitching a Winner outboard behind the car!

No need to hunt for docking points . . . your Winner is light, easy to handle, slips quickly into the water near an overnight spot . . . lets you see more of the local beauty, try new fishing spots.

Density-controlled, one-piece molded fiberglass hull is immune to the ravages of road travel vibration, sun, salt water corrosion; comes sparkling clean from dirts and tar with a sponge. Super-strength construction eliminates dangers of damage from unknown obstacles in strange waters. Runabouts, Sun 'n Skis, Cruisers . . . there's a Winner outboard for every family, for every budget.

***Winner* MANUFACTURING COMPANY, INC.**

108 Railroad Avenue, West Trenton, New Jersey

Sizzling speeds, sensational styling, rugged safety and completely maintenance-free, Winner outboards for '59 are available now. Send for the name of your nearest, authorized Winner dealer today or write direct for free catalog.

This "Rogues' Gallery" can Foul, Riddle and Rot Your Hull—Actually Cut Speed and RPM up to 25%

BARNACLES
Conical shellfish which not only increase drag considerably, but also force their bases through ordinary paint to deteriorate the film.

ANNELIDS
Also called "tube worms." Their hard shells spread quickly and often form a large proportion of fouling and consequent hull friction.

HYDROIDS
These are small animals with slender stalks. They form a cream- or tan-colored mat which may be extremely rough, thick and extensive.

TEREDO
These destructive borers enter wood through tiny "pinholes", then honeycomb it until it weakens and eventually collapses completely.

ALGAE
This "grass" is almost always found just below the waterline. The long fronds will slow a boat much as clothing slows a swimmer.

"VINELAST" PREVENTS FOULING LONGER!

Don't Let Fouling Ever Start

If you use an ordinary anti-fouling paint, your boat probably requires a mid-season haul-out. And you may have found—to your dismay—that the "rogues' gallery" pictured above has attacked your hull in earnest. That's why so many thousands of yachtsmen say that it pays to be *sure* with "Vinelast" Anti-fouling Racing Finish, which prevents fouling and borers for at least a full season, and emphatically outperforms ordinary anti-fouling paints. In fact, we have verified reports of tests where "Vinelast" has gone 18 months under water without fouling—and is still going strong! Here's why...

ACTUAL PHOTO of the amount of barnacle-repelling copper oxide contained in 1 gallon of "Vinelast" as compared with that in ordinary anti-fouling paint.

Over 4 Times More Barnacle-repelling Copper Oxide

Every good anti-fouling paint releases a toxicant to repel the attachment of marine organisms. Of all the toxicants used, copper oxide is the most effective. The more copper oxide, the better it will resist fouling. "Vinelast" holds *over 4 times more copper oxide* than the average bottom paint! The "Vinelast" plastic resin formulation that makes this possible was perfected in the Woolsey laboratories and offered by Woolsey as the first product of its kind following World War II.

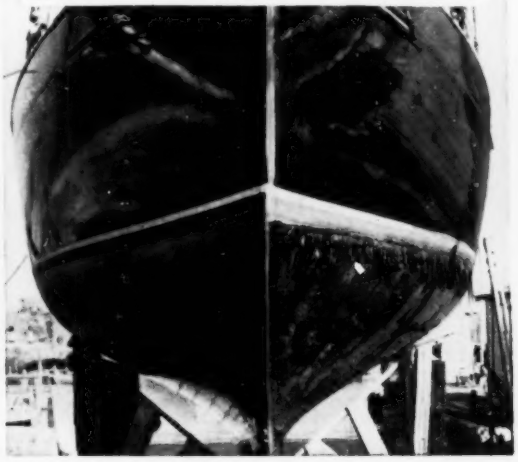
Fast, Economical, Carefree Boating

We have in our files hundreds of enthusiastic comments from boat owners who have used "Vinelast". Racing boat men report that "Vinelast" keeps bottoms in racing condition throughout the season. Power boats get increased speed and r.p.m., decreased fuel costs due to lessened hull friction. And "Vinelast" is so impermeable that one coat at lay-up time prevents opening of seams by greatly retarding drying out during "dry" storage.

"Vinelast" Excellent on Fiberglass ...

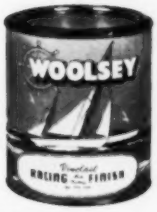
... as well as on wood, plywood and metal bottoms. Popular with both producers and owners of fiberglass boats, "Vinelast," by its very chemical nature, clings tightly to the hard, glass-smooth surface—overcomes problems of blistering, peeling and non-adhesion. "Vinelast" is best applied directly to new or raw wood and fiberglass. On metal, use special Woolsey primers. Launching can take place three hours after painting, and the deep red color of "Vinelast" is permanent in the water.

HERE'S DRAMATIC PROOF! The Malabar X, famous charter schooner, was painted in early May with "Vinelast" on the starboard hull, and with another anti-fouling paint on the port hull. Here, at haul-out four months later, the port hull is badly fouled while the "Vinelast"-painted area is completely clean.



Serving at Sea Since 1853

WOOLSEY®
MARINE PAINTS



Ask your Woolsey dealer for free literature on "Vinelast" or write us direct.

C. A. WOOLSEY PAINT & COLOR CO. INC., 205 E. 42nd St., New York 17, N.Y.

CRUIS ALONG BOATS, INC., Solomons 2, Maryland • A Subsidiary of *The Overlakes Corporation*

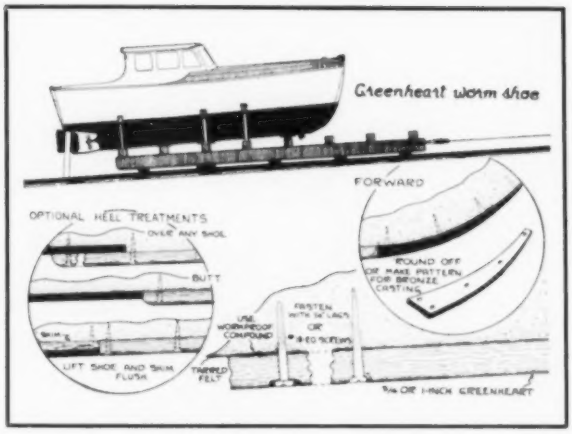
CRUIS ALONG BOATS, INC., Solomons 2, Maryland • A Subsidiary of *The Overlakes Corporation*

FITTING OUT with Jim Emmett

GREENHEART FOR WORM SHOES

GREENHEART, an imported or tropical wood, has many advantages over pine or oak as ordinarily used for worm or grounding shoes. Our woods are quickly attacked by marine borers, meaning that the average wormshoe must be replaced every few years. Treating the wood helps but much depends on what's used or how. Anything brushed on affords only temporary protection, being leeched off the surface before long. Pressure treating with creosote is effective but tends to make wood brittle, resulting in the shoe being easy to mar or chafe. Worse still, though, yards don't stock it, are more apt to use whatever wood is available or easiest had.

Those that have used Greenheart for this purpose say that one must either order himself what's required—a strip, or two lengths, so long and so wide, and an inch, or more, thick—or have his yard order it. In either case the point is to have it available for next time the boat is hauled. Some put it on after finding it a nuisance having to haul every so often to replace a questionable shoe. Some others reported having new factory-built cruisers coming without a wormshoe, which in southern waters at least is criminal. Still others changed from a copper strip or sheathing to Greenheart, finding the soft copper so easily snagged as to give worms a perfect chance to work. All reported the Greenheart shoe as standing up well, the strong and very hard wood as being virtually damage proof and living up perfectly to the claims made for it as being immune to marine borers as found in this country. Costwise, it's little or no more expensive to put on Greenheart. This wood sells for around or even under the price of some mahoganies or for what's asked for white oak in some sections.



If your yard is familiar with putting on wormshoes a Greenheart one will present no particular problems. If not, the trick is to position the boat properly on the railway

EMMETT continued on page 38

America's Finest Searchlights
RAY-LINE
"HALF-MILE-RAY" "ONE-MILE-RAY"

THRU-THE-WINDSHIELD

SEE OUR EXHIBIT OF
AMERICA'S FINEST SEARCHLIGHTS
At The
NEW YORK AND CHICAGO BOAT SHOWS
NEW YORK COLISEUM—BOOTHS C 136 and 137
CHICAGO BOOTH 432

SIRENS AIR HORNS

REMOTE CONTROLS ALL TYPES
CABIN CONTROLS FOR CRUISERS OF ALL SIZES
WRITE DEPT. 61 FOR 1959 CATALOG—NO CHARGE

Portable Light Co., Inc. 216 WILLIAM ST., NEW YORK 38, N.Y.

The very moment you begin to race or cruise aboard a Holiday, you're overwhelmed by that happy Holiday mood... you just know you're sailing one of the world's top-flight performers... by its extraordinary ease of handling... its unique capacity for greater speed ... and its unexcelled performance under all conditions.

Once you sail a Holiday, you'll agree with Baltimore's Dr. Samuel Revell, who says of his consistently victorious Sailor: "I've got the best boat..."

35' HONOLULU HOLIDAY: A new and sleek masthead yawl rig. Has a divided cabin for 6 adult accommodations; fiberglass decks; huge stainless galley; 22 hp Palmer 2:1 engine; stainless lifelines and pulpit; 6 foam rubber mattresses. 540 sq. ft. sail area. 28' water line and 10' beam.
$16,5000 complete, with Dacron sails

41' HOLIDAY MOTORSAILER: An unusually comfortable long-range family cruising yacht ...can travel 1500 miles under power without refueling. Mercedes Benz OM-312 diesel. Steel construction practically eliminates fire hazards. Convenient dual control stations. 1127 sq. ft. sail area.
$34,000 complete, with Dacron sails.

BE IN THAT HAPPY HOLIDAY MOOD...

Sailing on a Swifter and Safer *Holiday Yacht!*

Holiday's high standard of construction and material make sailing safer, swifter and smoother...and wherever a Holiday Yacht is entered in a race, you'll find the Holiday leading the way.

IT'S TIME FOR A HOLIDAY! WRITE FOR LITERATURE.

30' HOLIDAY: Popular family auxiliary. Stainless mast fittings; teak cabin floors. Many new accessories. Beam 8'5". Sail area, 368 sq. ft. Round bilge hull. Sleeps 4. Displacement, 7,000 lbs. 22 hp Palmer engine. Centerboard available, 3'.
$9490.00 with sails.

14' HOLIDAY SCAT: Now! **National One-Design Class!** An exciting, speedy sailer! Built-in flotation tanks make the SCAT unsinkable. Leakproof, seamless fiberglass. 120 sq. ft. sail area. Beam 5'1". Draft, 3'. Weight, 286 lbs. Seaworthy and safe for the younger set.
$899.00 without sails.

28' VICTOR: Designed as a racer, the VICTOR is ideal for family sailing. Exceptional speed. Stainless galley. Spacious cabin, sleeps 4. Stainless mast fittings. Round bilge hull. Beam, 7'10". Sail area, 300 sq. ft. Centerboard available, 3'.
$5590.00 with sails

24' HOLIDAY SAILOR: In 1957 swept Delta Class races in Chesapeake Bay areas; in 1958, shared Delta honors with JR. HOLIDAY. Easily trailable. Beam, 7'7". Outboard bracket. Sleeps 4. Sail area, 261 sq. ft. Centerboard available, 2'3".
$3390.00 with sails

24' JUNIOR HOLIDAY: Improved, luxury auxiliary. M.O.R.C. Shared 1958 top Delta honors in Chesapeake Bay areas. Teak floors in cabin; stainless mast fittings. Sail area, 261 sq. ft. Beam 7'6". Round bilge hull. Sleeps 4. Centerboard available, 2'3". Easily trailable.
$4375.00 with sails

All HOLIDAY standard sloops also available as masthead sloop or masthead yawl. With fin keel or centerboard,

Holiday Yachts INC.
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Chesapeake Bay Area: **HOLIDAY YACHT SALES, INC.** • P.O. Box 2973 • Baltimore, Maryland • ATwater 5-0752
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Long, trouble-free performance is a built-in bonus of every Carmote Master Marine Finish. Tested for superiority, endorsed by boating fans and yachtsmen, these Marine Finishes meet every standard of durability, color and quality developed during Carpenter-Morton's 118 years.

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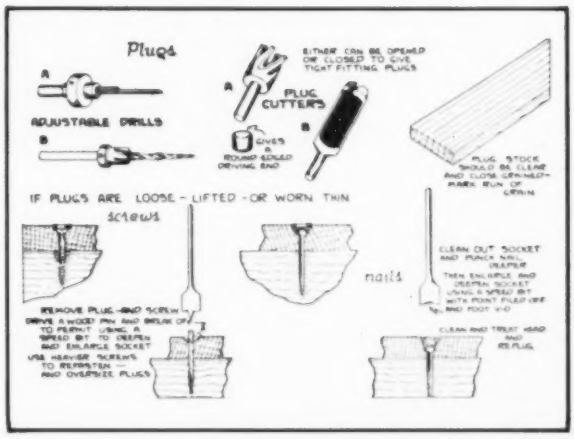
EMMETT continued

carriage, usually well back on it, to facilitate blocking or shifting for getting off any old shoe or sheathing and putting on the new. Or if the yard hoists with the boat in slings such shifting should be even easier. One yard I know of hauls the boat to split off and remove the old shoe then launches. The new shoe is then temporarily secured to the cross-bearers of the carriage and uprights set up to mark its location. Then the boat is rehauled, being positioned exactly atop the shoe. In some other cases half of the fastenings holding the shoe are put in at the time, the rest left for the next season's hauling, when the boat can be positioned so where they'll go won't come on the bearers.

The fastening methods are as I've found them but I like particularly the idea of fairing the shoe off forward by means of a bronze casting. While the shoe is being put on it's an easy matter to get the shape and then later make your wood pattern. Turn it over to a foundry that casts in bronze, having the plate ready for putting on next time you haul.



PLUGS FOR FASTENINGS

PLUGGED fastenings are a mark of good building. When they do give trouble, chances are iron fastenings were used and have commenced to rust. Or with a bare deck the wood may have been scraped or worn down enough that the plugs have become too thin to hold properly.

In new work or a major repair job where plugging is contemplated, an adjustable drill is worth having. But in deciding the size, buy with not only the size of the screws but the woods being used in mind. That is, such a drill for say a No. 12 screw will be fine for hardwoods, but in soft will hardly give a tight enough fit, a No. 10 size drill then being about right. In these drills, which bore for the thread, for the shank, and for the plug, all in one operation, of the two common types shown I find 'A' satisfactory for small screws or soft woods but 'B' best for heavy service, such as large or heavy screws or into oak.

For where one wants to make his own plugs the cutter marked "A" has the advantage of giving plugs with a rounded or driving end similar to the ready-made sort. With either type should you find plugs fit rather loosely, adjust the cutter by closing the prongs or lip of the cutting end just a trifle. If it's the reverse—the plugs won't enter properly—open the end slightly.

In cutting out plugs it pays to have selected your stock carefully, laying aside suitable scrap for the purpose. Both to facilitate cutting off the excess of the end and to have the finished job look right, you'll want the grain to run with that of the wood itself. Ready-made plugs have the run of the grain marked on the outer end. Home made ones, on the other hand, can be a nuisance to use, for it is often

EMMETT continued on page 45

at Miami, Florida

For your boat of any size—from a snappy 16-ft. outboard to a magnificent yacht; for your boating fun—fishing, exploring, cruising or just plain boating—you'll get more enjoyment when your pleasure and safety are safeguarded by trustworthy Raytheon marine electronic equipment.

Raytheon radiotelephones to keep you in touch with other boats or shore, depth sounders to help you pilot safely, radio direction finders for entertainment and safe navigation—all make boating more satisfying and far safer for you and your family.

Raytheon electronic products for every boat, every need, every purse are reliable, seaworthy and moderately priced. To learn how you can get more fun and safety out of boating, see your Raytheon dealer soon.

Excellence RAYTHEON *in Electronics*

"Safety makes a happy ship"

from RAYTHEON—the most complete line for '59

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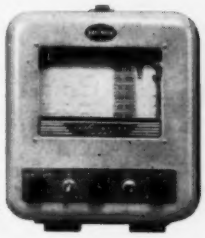
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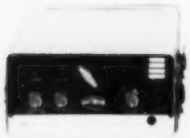
1. **"Holiday" Model DE-122** indicator-type depth sounder. Range: 2 to 120 ft. Size: 7x8x6½". Uses only 13 watts. For 6 or 12 volts. Very easy to install. Highly reliable, extremely accurate. Complete with transducer, $159.50.

2. **"Explorer" Model DE-705** recorder-type Fathometer® depth sounder. Range: 2 to 120 ft. Size: 6½x12½x7¼". Uses 4 amps at 6 volts, 2 amps at 12 volts. Viewing window 3½x6". Chart paper lasts 30 hours. Employs same easy-to-install transducer as Model DE-122. Complete $255.

3. **Model DE-706** indicator-type Fathometer® depth sounder. Range: 0-360 ft. or 0-120 fathoms. Size: 9½x10x6½". Uses only 35 watts. For 6, 12, 32 volts. Dial is 7" diameter for easy, accurate reading. Brilliant flashing red light. Only $375.

4. **Model DE-701** recorder-type Fathometer® depth sounder. Dual depth scale of 0-150 ft. and 150-300 ft. or 0-50 fathoms and 50-100 fathoms. Size: 10½x12x6". For 6, 12, 32 volts. Large viewing window is 6½x3⅞" for observation of extremely fine bottom details. $525.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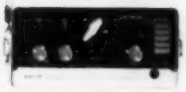
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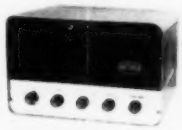
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5. **Model RAY 11** portable radiotelephone for smaller boats. Output 11 watts. Input 20 watts. 3 channels. 12 volts. Size: 9x5x15". Has transistorized receiver with Broadcast band. Built-in power supply. Comes with antenna and mounts, crystals for 2 channels and microphone. Very low price, $255.

6. **Model RAY 19** portable radiotelephone. Same as Model RAY 11 (described above) with 19 watts output, 30 watts input. 5 channels. With antenna and mounts, 2 crystals and microphone. Only $299.50.

7. **Model RAY 20** "package" radiotelephone. Output 22 watts. Input 40 watts. 5 channels and Bdcst. band. 6 or 12 volts. Size: 13½x8½x11½". Has automatic noise limiter. Includes 3 sets of crystals, antenna and mounts, microphone. $369.50.

8. **Model RAY 34.** Output 41 watts. Input 65 watts. 6 channels and Bdcst. band. 6, 12, 32 volts. Size: 13½x8½x11½". Power supply 9x6½x13". Provision for remote control. From $494.

9. **Model RAY 61.** Output 61 watts. Input 100 watts. 7 channels and Bdcst. band. 12, 32, 110 volts DC, 115 AC. Size: 13½x8½x11½". Power supply 9x6½x13". Has automatic noise limiter. Provision for remote control. From $622.

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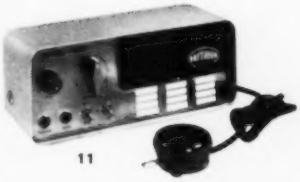
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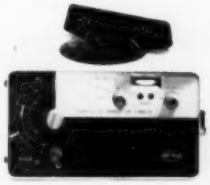
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10. **Model CM-5** marine receiver. 5-channel transistorized unit. 3 watts audio. Conforms to F.C.C. requirements for monitoring 2182 Kc. Size 11¼x6⅛x5½". 12 and 32 volts. $93.50.

11. **Model RCC-1** remote channel changer. For remote operation of all radiotelephone functions. Switches up to 10 channels. Can be used up to 25 ft. from radiotelephone. 6, 12, 32 volts. Size: 11¾x5¾x4½". Works with Raytheon Models RAY 34, 41, 61, 65. Includes telephone type handset. $155.

ANTENNAS, ANTENNA MOUNTS, CRYSTALS – 5 antenna models and 6 types of mounts, plus crystals available.

12. **"Ranger" Model 354** radio direction finder. Portable, all-transistor, battery-powered. Beacon, Marine and Broadcast bands. Receives all beacon stations at maximum published range. Has full watt of output volume. Includes null meter, headphone jacks, battery-checker. $299.50

13. **Model 355** radio direction finder with 8-channel communications receiver. Beacon, Marine and Broadcast bands and 8 crystal-controlled channels from 2 to 4.75 Mc. For 12, 32, 110 volts DC, 115 AC. Includes "sense", beat frequency oscillator, null meter, bearing width control, slide-rule dial. Also available with remote loop. From $422.

Note: all prices are subject to change without notice. Installation and accessory costs are not included in above prices. See your Raytheon dealer for details.

Raytheon's line also includes: Radar Reflector $14.95; Fume Detector from $64.50; Radar from $3,545.

Prices subject to change without notice.

IT'S EASY TO FIND YOUR POSITION in fog or darkness with a "Ranger" radio direction finder. This is a high-performance unit—transistorized, portable, guaranteed to receive all beacon stations at maximum published range. Has a full watt of output volume. Includes null meter/battery-checker. Only $299.50.

Photographed at Miami, Florida

POTENT PERFORMANCE AT LOW COST —yours with the Model RAY 20 radiotelephone. Output is a big 22 watts. Unit comes complete with antenna and mounts, 3 sets of crystals and microphone—all for only $364.50.

RAYTHEON—
for every boat, every boating need

FOR PILOTING AND FISHING the new "Explorer" recording Fathometer® is unexcelled. Accurately shows depths to 120 ft., records bottom conditions in great detail, shows fish and fishing grounds. It's the first low-cost recorder ever made. Amazingly priced at $255.

LARGER BOATS WELCOME the DE-706 Fathometer®. This brand new unit has a brilliant flashing red light which shows depths on an oversize 7" dial. Choice of ranges: 0-360 ft. or 0-120 fathoms. Built to the highest standards of marine quality, this new Fathometer® brings new accuracy to piloting. $375.

FOR SMALL BOATS, ALL BOATS – the famous "Holiday", most popular depth sounder in the world. Compact, dependable, it reads depths from 2-120 feet. Uses the same type of transducer as the "Explorer" and makes a wonderful companion to it. Yours for only $159.50.

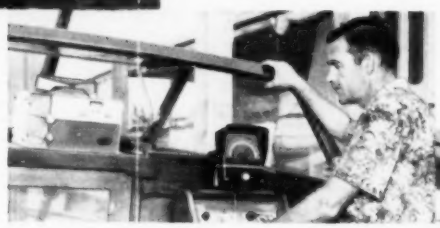
A COMPACT PACKAGE OF SAFETY, the brand new Model RAY 11 is a portable 3-channel radiotelephone expressly designed for outboards and other small boats. Comes complete with crystals for 2 channels, antenna and mounts, and microphone. Only $255.

Prices subject to change without notice.

"Safety makes a happy ship"

There's more boating fun for <u>everyone</u>...

Photographed at Miami, Florida



with RAYTHEON
marine electronic equipment

Turn page to see how Raytheon's 1959 line puts more pleasure in boating.

YOUR RAYTHEON DEALER IS READY TO HELP YOU GET MORE FUN AND SAFETY OUT OF BOATING. VISIT HIM SOON.

ALABAMA

Birmingham: Vulcan Boat Works
Mobile: Crow-Pruitt Company; Gulf Coast Electronics

CALIFORNIA

Crescent City: Crescent City Radio
Eureka: Commercial Radio & Electronics
Fort Bragg: Anchor Marine Supply
Newport Beach: Electronics Marine
North Hollywood: Pan American Navigation Service, Inc.
Oakland: Evans Radio Dock
Pacific Grove: Vasco S. Diridoni
Redding: Robert Albertson
San Diego: Eminger's Marine Radio; Marine Electric Company
San Francisco: Cal Marine Radiotelephone
San Luis Obispo: Radio Communications Service
San Pedro: Marine Radio Service
San Rafael: North Bay Electric Works, Inc.; Lowrie's Yacht Harbor
Santa Barbara: Moright Electronics
Santa Cruz: Santa Cruz Radio & Television
Walnut Creek: Electronics for Yachting

CONNECTICUT

Bridgeport: Connecticut Marine Motor Sales
Hartford: Television Center
East Hartford: Weston M. Jenks
Milford: Nichols Yacht Yard Marine
South Norwalk: F. J. Cooke and Company
Stamford: Fairfield Marine North
Stonington: York Marine Radio
Stratford: Town Radio and Marine
Waterford: Waddy's Dock

DELAWARE

Lewes: C. H. Ellis & Co.
Wilmington: Rawlins & Kinkade, Inc.

FLORIDA

Clearwater Beach: Clearwater Marine Sales
Daytona Beach: Daytona Marine Supply Company; Radio Marine & Electronics
Fort Lauderdale: Broward Marine; Rodi Boat Company, Inc.
Fort Myers: E. A. Tubbs
Fort Pierce: G. B. Moore & Son; Melton Marine Supply
Jacksonville: Huckins Yacht Corporation; Jacksonville Marine Radio
Key West: Stephenson Marine Electronics
Lakeland: Lakeland Evinrude Sales & Service
Miami: Florida Precision Instrument & Repair Company; Rich Electronics
Naples: Lewis C. Kidd
Ocala: Bob Wines Marine Service
Orlando: Florida Marine Equipment Company
Panama City: James Electronics; Robert Warriner
Pensacola: Gulf Marine Supply Company
Pompano Beach: Lis Marine Electronics
St. Augustine: Superior Marine Radio
St. Petersburg: Modern Marine, Inc.
Sarasota: Holiday Harbor Marine Supply
Tampa: Industrial-Marine Electronics Company; Rich Electronics, Inc.; River Heights Boat Yard, Inc.
Warrington: Roetger's Complete Electronic Service
West Palm Beach: Sykes-Peoples & Company

GEORGIA

Atlanta: Sanford Electronic Marine Equipment Co.
Savannah: Morgans, Inc.

ILLINOIS

Chicago: Chicago Marine Company; Chris Craft Boat Sales, Inc.;

Chicago (con't.)

Marine Electronics Corporation; Midwest Marine Radio

INDIANA

Indianapolis: Mannix Marine Co.
Michigan City: B & E Marine Sales

KENTUCKY

Bellevue: Southern Ohio Marine Company
Gilbertsville: Kentucky Dam Marina

LOUISIANA

Cutoff: Rebel Air Radio Company
Gretna: Calzada's Radio & Television Sales & Service Company
Houma: R. W. Long Electric Service
Lake Charles: Air-Sea Radio Service
Morgan City: Bibbins & Rice Electronics, Inc.
Patterson: Marine Construction Company
Westwego: Electronic Services, Inc.

MAINE

Boothbay Harbor: Watson's Radio Service
Falmouth Foreside: Handy Boat Service, Inc.
McKinley: H. G. Reed, Inc.
Rockland: Electronic Labs
South Portland: Harris Electronics Corporation; Story-Harris Electronics

MARYLAND

Annapolis: John Trumpy and Sons
Baltimore: Stickell Marine Products; Johnson & Towers; Smith Marine Sales
Essex: Marine Basin, Inc.
Georgetown: Georgetown Yacht Basin
Salisbury: Quillin-Valliant, Inc.
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MASSACHUSETTS

Abington: Oldtown Sport Shop
Amesbury: Ebb Tide Marina
Boston: James Bliss & Company, Inc.; Oriental Yachts, Inc.
Cambridge: Bay State Boat Company
Dorchester: Dean L. Graves
East Boston: Cladel Electronics Company
Fall River: Moss Construction Co.; Capt. Joseph J. O'Connell
Falmouth: Cape Cod Marine Service
Harwichport: Allen Harbor Marine Service
Kingston: MacKenzie Boat Shop, Inc.
Marblehead: Stewart Gauss
Neponset: Boston Boat Sales Company
New Bedford: Chriss Electronics; Northeast Marine Electronics; Whitehead Marine Radio
Newburyport: Hatheway Boat Builders
Norwood: Norwood Outboard Service
Plymouth: Plymouth Marine Railways
Provincetown: Lands End Marine Supply Co.
Salem: Jaynes Auto & Marine Supply; Marine Radio Telephone Service
Springfield: Regent Sales, Inc.

MICHIGAN

Charlesvoix: Fairport of Charlesvoix
Detroit: Roosevelt Radio and TV Company
Grand Haven: North Shore Marina
Harbor Springs: Walstrom Marine, Inc.
Holland: Bay Haven Marina
St. Clair Shores: Cooper Chris Craft
Traverse City: Ray Darrow Marine Base

MINNESOTA

Duluth: Indian Point Boat Base
Wayzata: Minnetonka Boat Works, Inc.

MISSISSIPPI

Biloxi: Biloxi Machine & Supply Company

MISSOURI

St. Louis: Harbor Point Boat and Dock Company

NEW HAMPSHIRE

Laconia: Goodhue's Boat Yard

NEW JERSEY

Atlantic City: Mr. Lawrence Smith
Brielle: Butler Marine Radio
Cape May: Mueller Electronics
Clark: Mackay Radio & Telegraph Company
Fort Lee: Wilson's Marine
Madison: Customs Communication
Riverside: Dredge Harbor Yacht Basin
Rutherford: Rutherford Marine Service
Tom's River: Mar-Ken
Union City: Tra-Mar

NEW YORK

Alexandria Bay: Hutchinson's Boat Works, Inc.
Bayside: Marine Electronics Company
Bridgeport: Gowings Anchorage
Brooklyn: General Marine Repair Co.; Sutter Brothers Marine Basin, Inc.
Buffalo: George W. Collins, Inc.; Rich Marine Sales
City Island: Geils and Foerst Marine Electric Co.; Tivoli Radio & Marine Company
Clayton: George W. Mercier, Inc.
Cleverdale: Scott M. Henderson, Inc.
East Rockaway: Ackerly Marine Radio
Endicott: Phelps and Cornell
Flushing: M. F. Darcey
Freeport: Freeport Communications
Geneva: Seneca Marine Mart
Great Neck: Instrument Associates
Greenport: East End Supply Company; Fairfield Marine Long Island, Inc.
Haverstraw: Hudson Marine Sales and Service
Ithaca: Freeman's Motor Marine
Lindenhurst, L. I.: Sea Radio Co.
Mayfield: Bennett Boat Company
New York: Aero-Marine Radio Corp.; Manhattan Marine & Electric Company, Inc.; New York Marine Radio, Inc.
Port Washington: Tivoli Radio & Marine Company
Rochester: J. E. Fogg; Rochester Marine Company, Inc.
Sag Harbor: Sag Harbor Electronics
Southampton: Southampton Electric Assoc.
Tottenville: Electronic Sales & Service
Utica: Utica Electric & Boat Serv.
Watervliet: Boating Center of Watervliet
Youngstown: Pierce Marine Corporation

NORTH CAROLINA

Bayboro: Ensley Radio Company
Hatteras: Foster Quay
Washington: Pamlico Marina

OHIO

Cleveland: Cleveland Yacht & Supply Company
Port Clinton: Catawba Marine Sales
Toledo: Airlansea Communications Company

OREGON

Astoria: Radio Service Company
Newport: Yaquina Bay Marine Supply
North Bend: Oregon-Pacific Company
Portland: R. E. Sells Marine Service; Staff Jennings, Inc.; Columbia Marine Electronics; Electro-Mechanical Company

PENNSYLVANIA

Erie: Great Lakes Marine Sales and Service Co.
Lafayette Hills: Antrim Marine Radio
Philadelphia: Johnson & Towers; Elisha Webb & Son Company; The Nixon Company
Pittsburgh: Highland Seaplane Base

RHODE ISLAND

Cranston: Pawtuxet Marine Electronics, Inc.
Middletown: Middletown Sporting Goods
Newport: J. T. O'Connell, Inc.
Warren: Blount Marine Corporation
Wickford: Wickford Shipyard

SOUTH CAROLINA

Charleston: Coastal Radio Service; Sikes Radio Company

TENNESSEE

Chattanooga: W. B. Taylor
Memphis: Hirsch Electronics; Warhes & Tamble
Nashville: E. E. McGhee

TEXAS

Aransas Pass: H. J. Patterson Electronics Co.
Beaumont: Straughn Radio & Electronic Service
Brownsville: DuBose Marine Radio
Freeport: Corbitt Marine Ways, Inc.; D. J. Patterson Marine Electronics
Galveston: Electric Supply Co. of Galveston, Inc.
Houston: Southwestern Communications Company, Inc.
Lake Dallas: Hundley Boat Company
Pasadena: Southwestern Communications
Port Arthur: Mackay Radio & Telegraph Company; Texas Electronics Company
Port Isabel: Marine Mart, Inc.

VIRGINIA

Arlington: Communications, Inc.
Bena: Hogge's Radio Service
Colonial Beach: Colonial Yacht Club
Hampton: Haldeman Marine Sales
Lilian: Francis Bray
Norfolk: Colley Marine Supply; Hunt Auto Supply; Priest Electronics, Inc.; Paxton Company
Richmond: Carwich Marine; Richard E. Riley Yacht Agency
Wachapreague: Radio & Marine Service

WASHINGTON

Anacortes: Harris Eng. & Equipment Company
Bellingham: Bellingham Marine, Inc.
Everett: Robinson Plywood & Timber Company; Wold Radio
Hoquiam: Marine Supply Company
Longview: Columbia Radio Service Company
Port Angeles: Port Angeles Marine Supply
Seattle: Cadranell Yacht Landing; Carl's Marine Equipment; Electric Service Company; G. & L. Marine Radio; Mackay Radio & Telegraph Company; Northwest Instrument Company; Northwest Marine Radio Company; Nordby Supply Company; Seattle Marine & Fishing Supply Washington Boat Center
Tacoma: Industrial Marine Company; Tacoma Boat Mart

WISCONSIN

Kewosha: Electronic Enterprises
Manitowoc: Capt. John J. Jordan
Milwaukee: Warren Isenring Company
Sturgeon Bay: Baudhuin Yacht Harbor; Peterson Builders, Inc.

WASHINGTON, D. C.

D. C.: Desmond TV Service; Washington Marina Company

ALASKA

Cordova: Marine Electric Service
Juneau: Parsons Electric, Inc.
Ketchikan: Service Electric Co., Inc.
Kodiak: Deveau Electronics
Petersburg: Trading Union, Inc.
Sitka: Triune Service

CANADA

British Columbia, Vancouver: S. & T. Sales, Ltd.
New Brunswick, Grand Mansa: County Radio & TV Sales & Service
Newfoundland St. Johns: Charles R. Bell, Ltd.
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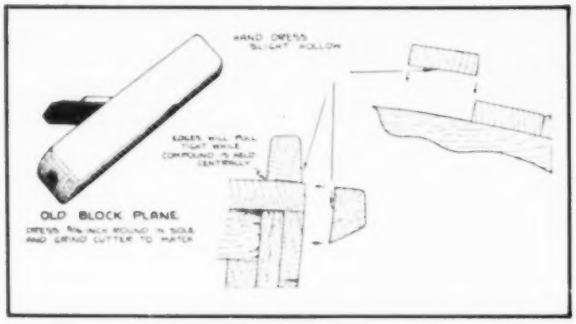
difficult or impossible to detect the run of the grain in trying to make time driving them. I find it pays, particularly if a helper will be putting them in, to mark the plug stock beforehand with a series of quickly pencilled lines. One end of the plug will then show a guide mark. However, using cutter type 'A', where the plugs must be freed by splitting the piece on a bandsaw, the mark must be transferred to the other or flat end. It's worth doing, though.

In replugging a deck or topsides much depends on the sort of fastenings originally used. Bronze screws can usually be easily removed, then the socket deepened with an adjustable drill. Or use a speed drill when it may be necessary to drive a wood pin to guide the point. After refastening, preferably with a size heavier screw, use an oversize plug in the purposely cut larger socket. With nails it's a matter of sinking the old fastening deeper, then cleaning and treating its head while you have the chance. Many prefer to use compound rather than a plug, feeling it gives the head better protection. Where plugs are preferred the socket must be deepened and preferably enlarged to give clean edges. I've found that a speed drill reworked as shown will do a good job if the powerdrill itself is held very steady.

While plugs are often driven in varnish (and sometimes bare) it seems sensible to use resin or waterproof type glue. It pays to wipe off the excess glue. Also, after chiselling off the excess of the end, and shaving the plug flush, sand off vestiges of the glue. Otherwise it will show as a stain through several coats of white paint, or with varnish as a discolored ring.



OLD WOOD BLOCK PLANE

IF you've envied the tight joints and neat fits a competent shipwright can turn out, well, the reason is often hollow planing of one or the other of the touching surfaces. Understandably, the slight hollow makes for the edges of the member bugging tightly, and any bedding compound, even a strand of cotton wicking, is held effectively in the shallow space.

While some hollow can be dressed in a flat surface using a small ordinary plane the real tool for the job is an old wood one, say eight or ten inches long and with a two-inch sole. Generally such planes are either homemade or must nowadays be picked up at an auction sale or second-hand place. Ones with a rounded sole can occasionally be had, otherwise it's an easy matter to dress the wood sole slightly round—say 3/16 inch to the width—and carefully grind the cutter to match. Best of all, of course, is to have several of different sizes and various bottom rounds. Generally, there's wonderful steel in the cutter. I have some old planes that will do their job on wood that's so hard or gummy a modern steel plane will but skid over the surface.

Adjusting a wood plane for cutting as wanted takes a bit of getting onto. A slight tap on the heel of the plane draws the cutter in to give a thinner shaving while tapping the top of the cutter blade has the reverse effect. Usually there's a wood wedge that must be shifted, then finally tapped snug to hold the setting. — ⚓

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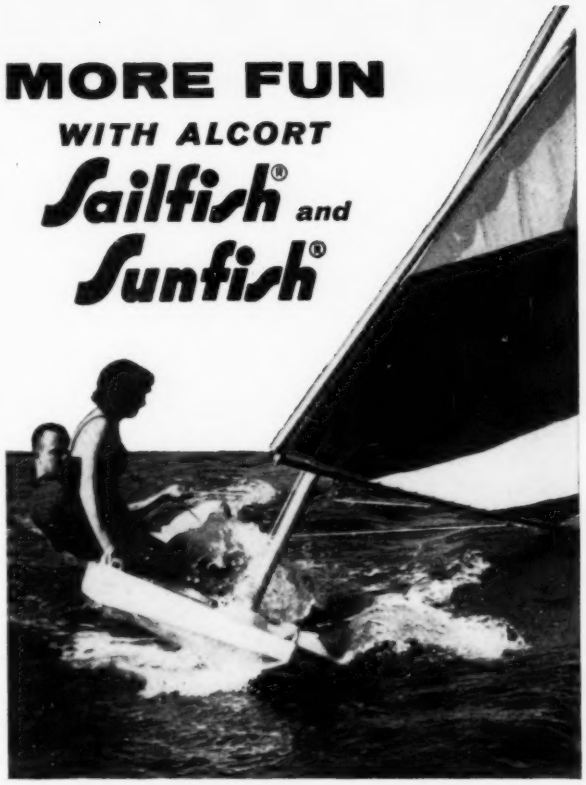

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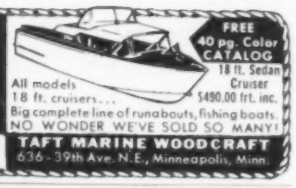

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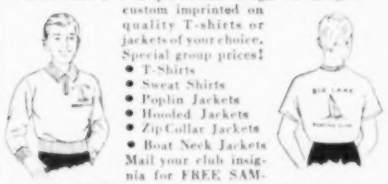

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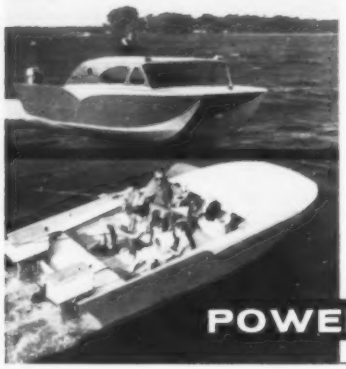

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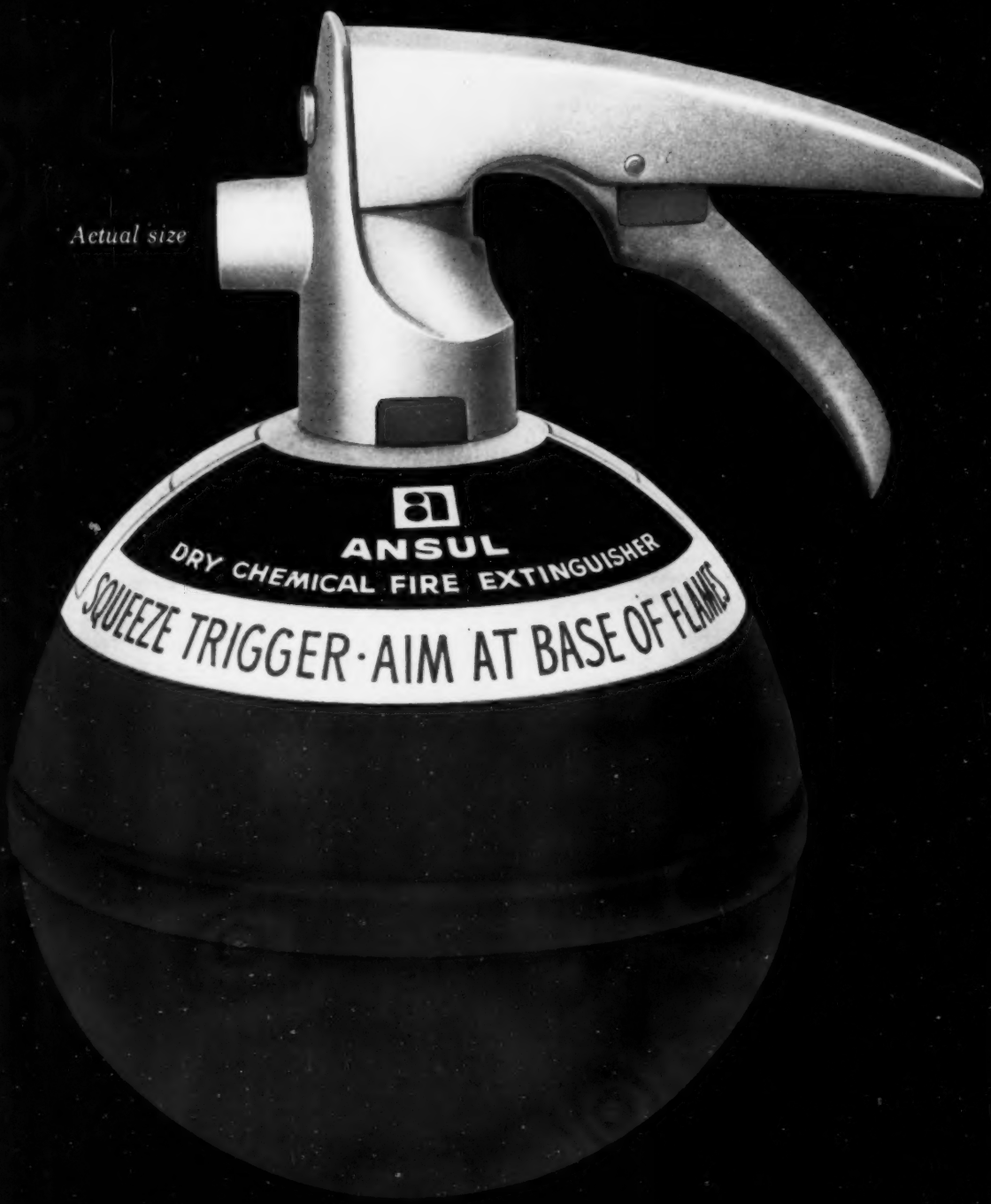

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NAVIGATION

Find your position easily with ranges or bearings.

By Elbert Robberson

KNOWING how to pinpoint your position is the finest feat in piloting. It can keep you out of entanglements with rocks and shoals. It will warn if current or wind is setting you off-course. It will give you a point of departure for a homeward course if fog or darkness falls. Besides, it may enable you to locate lost objects, such as a motor, or insure returning to a private spot that is fat with fish. You can learn this valuable trick right now, and this Spring, after you've launched, put it to practice with a minimum of expense and equipment.

Visual position finding mainly involves determination of angles between known lines or objects. Although classical methods can tie you up in trigonometry, there are simplified systems which, supported by a few props, will give position by visual observations without going into mathematics.

There are several methods of measuring the necessary angles, some quite simple and some a little more difficult —some just adequately accurate, and some having hairline precision. Some systems give point positions, while others show lines of position, either straight or curved, somewhere along which the boat is located. Knowing the principles of the more common methods will allow you to pick the systems best for your needs at the moment.

RANGES

The most accurate line of position can be found without instruments, by eye. This kind of line runs through shoreside ranges, which may either be purposely placed navigational markers, or quite accidentally aligned objects. When two identifiable objects ashore (or fixed to shore, as in the case of a beacon or buoy) appear in exact alignment, they are said to be in range, and your position lies along the line going through them. These can be objects which are on the chart, and you can mark down your position line from them. However, in many cases, natural ranges which are not shown on the chart are also useful.

Suppose you find a spot where the fish are thick. You want to come back to the same spot the next time out, but how can you find it? Look around and find landmarks in different directions that line up, one in back of the other, such as a house on the beach and a bald spot on a far hill, a prominent rock or tree and a building, or a dip in a distant ridge. After finding one range, try to locate another, as close to being at right angles to the first as possible. A pair of range lines crossed in this manner establish an accurate position. The next time you are out, run your boat down one of these range lines until the other crossing one comes into alignment. When this happens, drop the hook —you're exactly where you were the first time.

Ranges are also useful for finding the accurate line of a channel, or unmarked turning points. Some channels are provided with ranges by the Government, but in the absence of official ranges, you can usually find other objects which may be used for the same purpose. In special circumstances, you might set one up yourself, planting stakes on the beach.

continued on page 50

QUESTION BOX:

1. When two identifiable objects ashore (or fixed to shore) appear in exact alignment, they are said to be in range (True or False)
2. It is impossible to locate an exact position on the water without using instruments. (True or False)
3. Magnetic bearings must always be taken with a compass. (True or False)
4. The procedure for taking a bearing is to sight over a compas at an object and note the degree radings which are on the sight line. (True or False)
5. Relative bearings are measured between the direction of the boat's keel and observed objects. (True or False)

ANSWERS:

1. True
2. False
3. False
4. True
5. True

A piece of transparent tracing paper can be used in place of a three-arm protractor for plotting positions by relative bearings. Here the navigator has drawn relative-bearing angles on tracing paper and, by moving the paper around on the chart until the lines pass through the objects sighted, he locates his position and marks it with a hole through the paper at the intersection of the lines.

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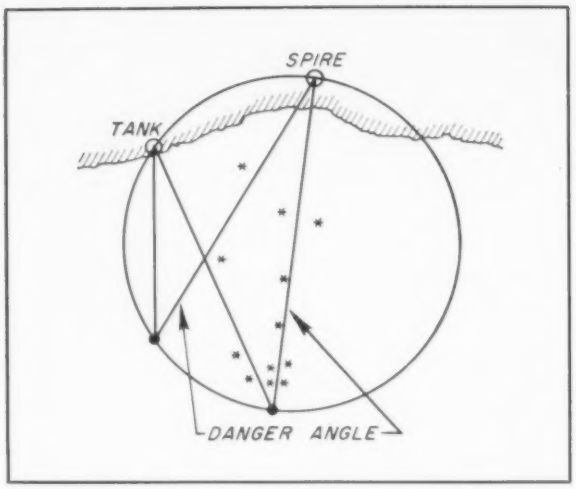


Errors are possible plotting on circle like this.

RELATIVE BEARINGS

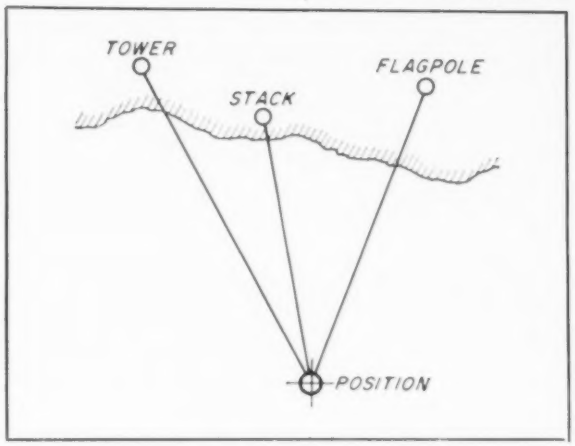
Relative bearings are measured between the direction of the boat's keel and observed objects. A rough example of a relative bearing is to observe when an object is in line with the bow staff and some other fixture which is in the center of the boat, for dead ahead. Another is to sight along some thwartship part of the boat to find when an object is exactly abeam. However, a simple pelorus or sighting device will permit taking a number of other useful relative bearings, at any angle "around the clock."

By itself, one relative bearing is of no use. However, two of them, taken in rapid succession while the boat is held accurately on course can be used to make certain of steering clear of a hidden danger, such as a submerged rock.

First, locate a point on the chart which is outside the menace, or farther out from shore, as shown in *Fig. 1*. Then measure the angle between this point and two nearby known points ashore—this is known as the horizontal danger angle. With the pelorus, take a bearing of the first object, and then the other. If the difference between the two bearings is less than the danger angle, the boat is in a safe position, but if the difference is the same or slightly greater than the danger angle, correct course immediately and clear out.

Relative bearings taken on three shoreside objects will give an actual position. Get relative bearings on the three objects, as shown in *Fig. 2*, and set these angles on a three-arm protractor. Move the protractor around on the chart until the lines of the arms pass through the three objects. Your exact position is at the apex of the angles.

continued on page 52



The intersection of three bearings fixes position.

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Accurate relative bearings may be taken with a pelorus lined up with boat's center-line, provided boat's head is steady during shots.

A piece of transparent tracing paper can be used in place of the three-arm protractor. Draw the relative-bearing angles for the three objects on the tracing paper, then move the paper around on the chart until the lines pass through the objects. Your position is the point of crossing of the bearing lines.

Position can be found from three objects without using a pelorus or any figures at all. Secure a piece of tracing paper on a flat surface, and stick a pin or tack into it. Use a scale or ruler for sighting at the three objects, holding the edge of the scale against the pin. Align the scale with one object by sighting over it, and draw a line on the paper, up to the pin. Then line up on the second object and draw another line to the pin. The same is done for the third object. Move the paper around on your chart so the lines pass through the objects, and your position is smack in the pinhole.

There is one rare situation in which a three-point observation is not reliable, and that is when the objects and your boat lie on a circle. This situation is known as a "revolver," and by moving the paper around you will find that the lines will pass through the objects anywhere on the circle. The possibility of this happening is extremely remote, and it is not possible when the center object of the three is in line with or closer to you than the other two. If you should hit the jackpot and find that the lines pass through the objects from more than one position, the best remedy is to pick a new object to sight on in place of one of the others.

The three-point method of finding position can be exceptionally accurate, since it does not depend upon the accuracy of the compass. But remember that the boat's heading must be accurately maintained while the observations are being made.

—Elbert Robberson

REFERENCES IN POPULAR BOATING:

"Small-Craft Navigation," Jan. 1957, p. 112
Corrections: page 112—"After the float settles down in the water, every 10-feet that reels off in 6-seconds is the same as your speed in knots."
"Compass Correction," Feb. 1958, p. 36
Mar. 1958, p. 56

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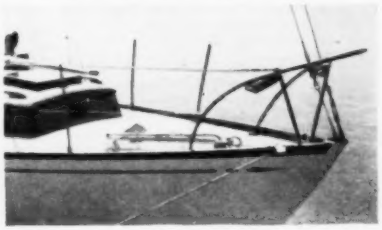

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FIBERGLASS LIFEBOATS RECEIVE U.S. COAST GUARD APPROVAL

Loaded with 7400 lbs. of sand bags, a 24' fiberglass lifeboat is given drop test.

After passing 15 severe performance tests established by the Coast Guard, a fiberglass lifeboat design has been accepted for use aboard American ships. Two years of research, plus consultation with ship owners, designers, the Military Sea Transportation Service, the Coast Guard, Maritime Administration, and resin and fiberglass suppliers went into the development.

The prototype craft, 24 x 8 x 3.5 feet and capable of carrying 40 passengers, was loaded with 7400 pounds of sand bags in one test. It was then swung through a 20-foot arc for a minimum of 8 feet and into a steel bulkhead. No damage was sustained. In another test and bearing the same sand bag load, the Coast Guard required that the boat be dropped at least 10 feet into the water. Other requirements were fire resistance, freedom from rot and corrosion, ease in repairing, and minimum maintenance.

Built by the Welin Davit and Boat Division of Continental Copper and Steel Inc., the hull is of monocoque construction based on metal boat lines, and made of fiberglass reinforced with Hooker Chemical's Hetron Durez polyester. Fittings are stainless steel, stem and stern posts are aluminum, and lifelines are nylon. Plastic foam was used to provide flotation. Several shipping lines already plan to adopt these lifeboats.

WATER-BORNE MOUNTIES

Royal Canadian Mounted Police take to water in a new patrol craft at Toronto.

Not all Royal Canadian Mounted Police get their man on horseback. The marine division, which must patrol Canada's many lakes and waterways, recently took delivery of a 49-footer, *Moosomin II* built by J. J. Taylor & Sons of Toronto from John Hacker designs. Seagoing "horsepower" for the Mounties is four 215 HP Dearborn Interceptors installed in twin tandem.

TURNING TO
A NEW WORLD OF
FUN!

• Open new dimensions of fun and real out-of-doors pleasure with the **1959 Shell Lake DART!** You'll find her ready, willing and able to respond to your every command and yet so safe that the entire family will enjoy every minute spent on the water, whether water-skiing or just plain cruising! For over **55 years,** Shell Lake has been building safe, dependable boats with snappy performance that every boater demands. Available in 12-, 14- and 16-foot lengths, of **Shelglas**(R) construction, the latest word in fiberglass. See your Shell Lake dealer today!

Shell Lake BOAT CO.
SHELL LAKE, WISCONSIN

OLIVER FEATURES 70 h.p. FOR 1959

BIG LOAD POWER — The amazing drive of the two counter-rotating Oliver 35's can be seen in the explosive thrust with which they raise heavily-loaded outboard runabouts and cruisers to planing position in seconds. Several water skiers can also be lifted into skiing position almost instantly. The wake from counter-rotating Olivers is easier to ski behind, too.

with COUNTER-ROTATING 35's

A dynamic advance in outboard motor design and use has been scored by Oliver Outboard Motors of Battle Creek, Michigan. After lengthy engineering development and testing, twin motors with propellers rotating in opposite directions are being offered by local Oliver Outboard Motor dealers.

Each unit develops 35 OBC certified brake hp at 4500 r.p.m., for a total of 70 hp. The two units are factory-matched to insure perfect teamwork. A synchronizing tachometer and twin single-lever remote controls assure smooth operation, simple shift and speed control.

Cat-Quick Acceleration

Exclusive engineering features, auto-type valves, unique powerhead, simplified lower unit, and counter-rotation, are reasons why Oliver twins literally jump a boat up on top of the water. You move away faster, experience dazzling, exciting performance to add thrills to your boating and skiing fun.

Double Motor Dependability

The double dependability of two motors is welcome reassurance to cruising enthusiasts. If one unit should fail to operate for any reason, there's always another one to get you back. If fuel runs low, you can cut fuel use in half by shutting off one motor.

Tests have proven that the Twin Oliver 35's offer many opportunities to save fuel. Each motor operates on less fuel than larger motors. Many times, while fishing, for example, you need only one motor, saving the operating cost of the second unit.

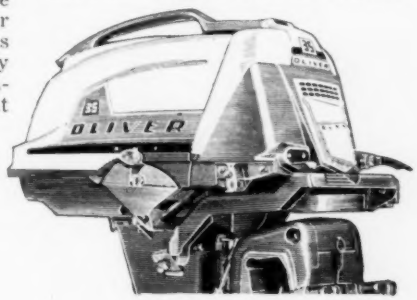
The aim of Oliver engineers has been to duplicate the long-recognized advantages of counter-rotating screws on ocean liners. The same relative advantages . . . great load carrying capacity at high speeds, amazing "on-course" steering, "driving" acceleration and tremendous stability are all yours with your counter-rotating Oliver 35's. See them at your Oliver dealers soon.

OLIVER TWIN 35's OPERATE AS EASILY AS YOUR AUTO

At last! You can run your twin Oliver 35's as simply as you drive your auto! With counter-rotation, the propellers going in opposite directions, there is no pull on your steering wheel, no tendency to "drift" off-course. Counter-rotation cancels out torque, so you can make the most breathtaking turns practically with one finger. Control of your boat is much easier in rough water or, as in skiing, there is more stability across wakes.

Single-Lever Remotes

The former four-lever box of shift and speed controls for dual motors has been reduced to two easy-moving levers for your Oliver twin 35's. There is one handle only for operating both the shift and speed for each motor. To move ahead, you merely push the levers ahead . . . to back up, you merely pull handles back. Easy, isn't it? That's true in all phases of operation with the amazing counter-rotating Oliver 35's. Try them yourself as soon as you can. You'll find this a completely new experience in outboard operation. Ask for a demonstration at your local Oliver dealer.



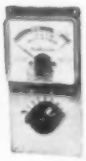
OLIVER OUTBOARD MOTORS

124 S. McCAMLY STREET, BATTLE CREEK, MICHIGAN
Division of The Oliver Corporation

OTHER HEATHKIT "DO-IT-YOURSELF" MARINE KITS . . .

Model DF-1 Radio Direction Finder Kit $54.95

Model MC-1 Marine Converter & Battery Charger Kit $42.95


Model CI-1 Battery Charge Indicator Kit $16.95

Model PM-1 RF Power Meter Kit $14.95

Model RI-1 Rudder Position Indicator Kit $14.95

Model FD-1 (6 & 12V) Fuel Vapor Detector Kit $35.95

- *doubles as a portable radio*
- *self-contained, self-powered*

Now, at less than the cost of an ordinary portable radio, you can own this two-band transistorized portable radio direction finder. Ideal for use on boats, light aircraft as a reliable and accurate navigational aid. Doubles as an entertaining portable radio for the home, at the beach or in the car. Covers the marine and aircraft beacon band from 200 to 400 kc and the broadcast band from 540 to 1620 kc. Takes directional "fixes" on aircraft and marine beacons as well as standard broadcast stations. The 6-transistor circuit is powered by 6 standard flashlight batteries, lasting up to one year under normal operation. Dial light provided for night operation. Measures only 8" H. x 9½" W. x 5" D. Handsome case is two-tone green with black control knobs.

EASY TO BUILD
NO PREVIOUS EXPERIENCE REQUIRED

Complete construction manual contains easy step-by-step instructions, large pictorial diagrams, and all the information you need for quick assembly. No previous experience in electronics or kit building required. Order today and see for yourself how easy it really is!

SEND FOR FREE CATALOG

Write today for free catalog describing these and other marine kits and Heath's full line of electronic equipment.

HEATH COMPANY, Benton Harbor 3, Mich.
a subsidiary of Daystrom, Inc.

name

address

city & state

MARINE INSURANCE

THE owner of a small boat must make an individual decision regarding the need for marine insurance as it affects the particular case in question. You pay for financial protection against accidents concerned with boating. Your policy may be for collision on a deductible basis, much like with automobiles, and it may cover public liability for passengers aboard either your craft or the boat you hit. Depending on the factors involved, it might be profitable for you to carry fire insurance only while your boat is in storage over the winter. You are the only judge.

Full marine covers the hull, motor, and gear while underway, moored, or hauled. Grounding, stranding, being struck by lightning, damage caused by windstorm, and other "perils of the sea" are included but it may cost an extra premium if you have specific problems. For instance, the ordinary policy issued on the Atlantic coast covers a boat between the geographic limits of Eastport, Maine, and Ceday Keys, Florida, in addition to inland waters but *not outside these limits* without special arrangements.

A carbon dioxide or foam fire extinguisher system may reduce your yearly outlay while helping protect you and your family. Do you race? Don't expect insurance to cover damage to sails or spars while the boat is in competition unless you've made specific arrangements to cover that eventuality.

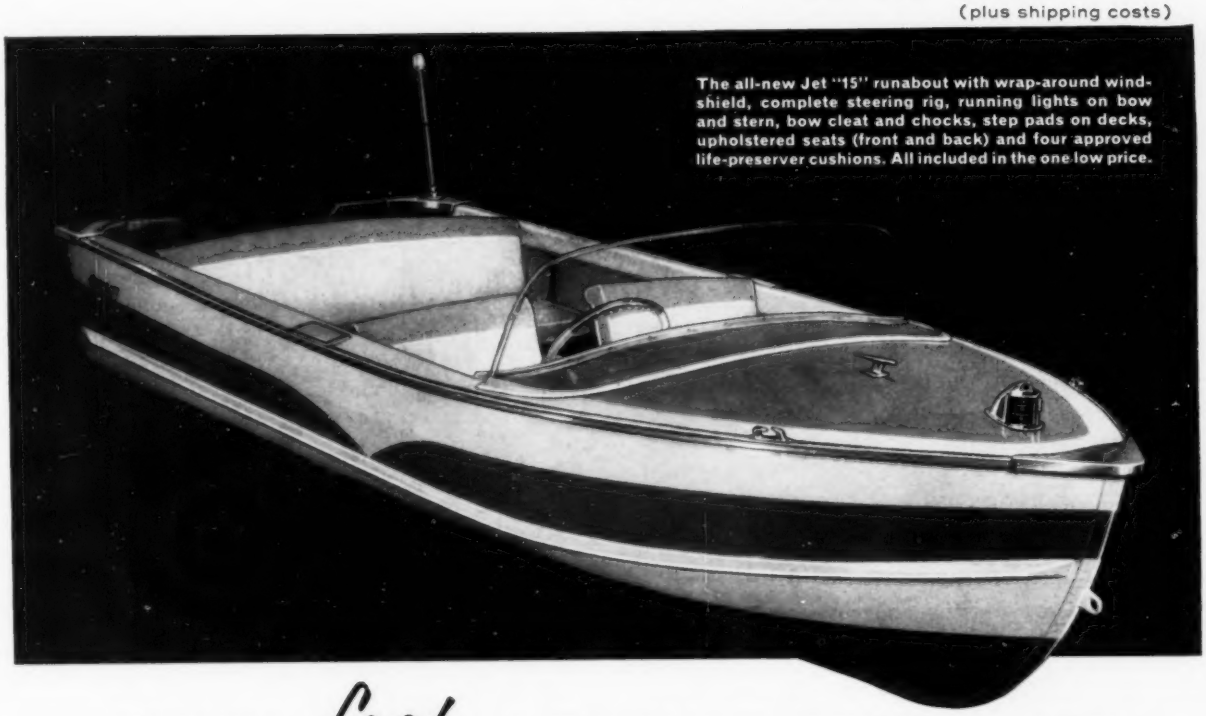
Marine insurance is almost as old as boating itself. Indemnity at sea was a factor in the business of the ancient Mediterranean merchants as well as the brokers of Lloyd's Coffeehouse in London, England. The phraseology of present day policies is much the same as in those days but today's companies are more liberal with their attitudes regarding boat loss adjustments. They are not responsible for wear and tear or natural deterioration due to the passage of time but they do pay in full, without deductions for depreciation as you'll find with other forms of insurance, for losses due to perils of the sea.

If you are liable to suffer loss through accident, causing your family to suffer because you or your passengers may have been unable to work, insurance will give you protection. If you finance a boat, the mortgage holder will insist on adequate insurance. Both mutual and stock companies write marine insurance, and many of them provide for a considerable premium refund if no claims are made. Check with your nearest broker for more detailed information. — ⚓

ISN'T THIS THE DEAL FOR YOU?

Imagine! This Starcraft Runabout COMPLETELY EQUIPPED $595.00

(plus shipping costs)



The all-new Jet "15" runabout with wrap-around windshield, complete steering rig, running lights on bow and stern, bow cleat and chocks, step pads on decks, upholstered seats (front and back) and four approved life-preserver cushions. All included in the one low price.

SLEEK, *fast*, A PROVED PERFORMER

built of maintenance-free, lightweight aluminum

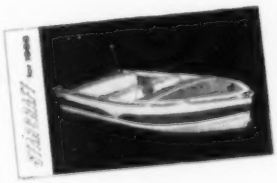
If you want to save as much as $200.00, yet want a big boat that does big things in the water, the Starcraft Jet "15" Runabout is for you.

You'll get Starcraft dependability. Heavy-gauge, noncorrosive aluminum keeps maintenance to a minimum. It's guaranteed for 15 years against puncture and popped rivets. Never needs painting, caulking or scraping.

You'll get Starcraft performance, too. The weight you save with aluminum gives you more speed or power, lets you pull more skiers. Test it with the sudden burst of a big motor. It'll plane instantly with little side-slip on turns. And it will easily settle back to a slow lazy trolling pace. Man, that's Starcraft performance!

The full cost? Just $595.00 including all equipment.

Ask your Starcraft dealer for an exciting demonstration today.



Send for your free 1959 Starcraft Catalog.

This year, before you buy any boat, see the many beauties inside the new Starcraft catalog for 1959. It's free. Write Starcraft Boat Company, Dept. PB-12, Goshen, Ind.

STARCRAFT

All Starcraft boats are designed to meet or exceed O. B. C. standards

STARCRAFT BOAT COMPANY · Department PB-2, Goshen, Indiana

Popular
Boating Today

Here, from first results of an exclusive national survey, is a picture of your boating activities and needs, and your important part in the progress of the sport

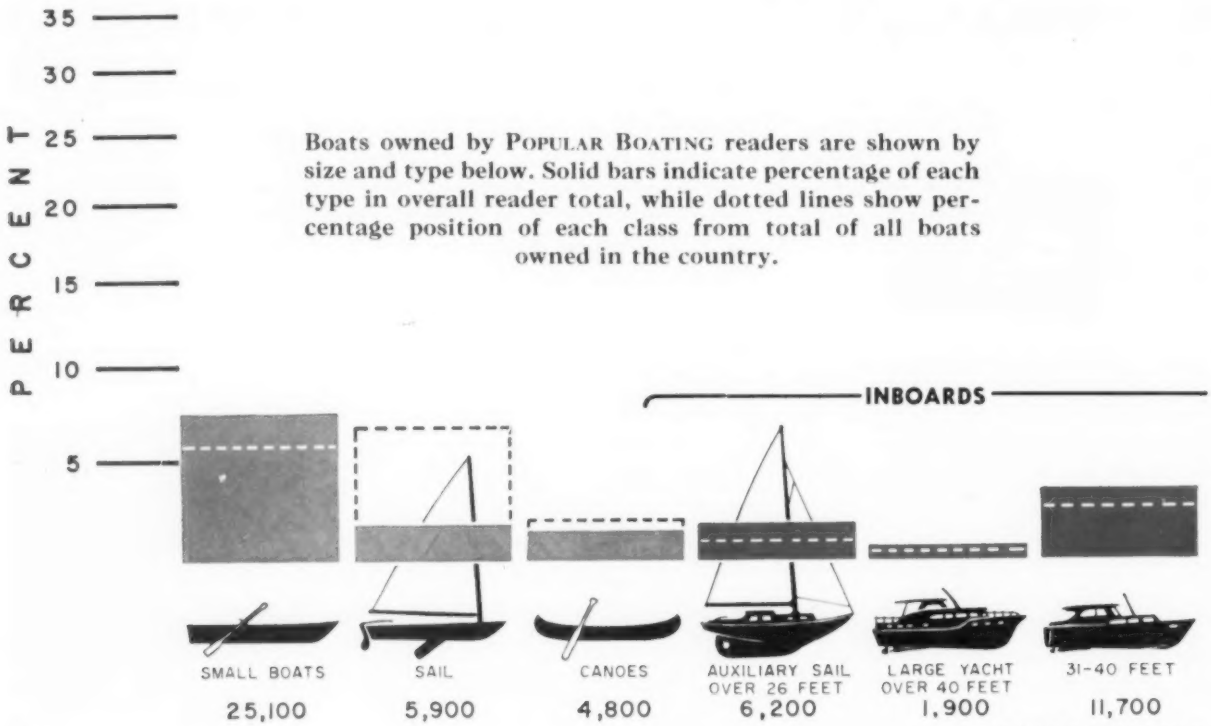
WERE YOU asked recently if you were interested in boating? When you said yes, did the interviewer go on to inquire about the boats you have owned and hope to own, the number of members of your family who take part in the sport, the amount you spend on boating every year? Did he then ask about the boating magazine you read and what subjects interested you most? Did he inquire how often you used your boat and where, what accessories do you plan to buy next for it, your type of work, age, and income, and how much of your boating budget went for maintenance, fuel, entertaining, etc.?

And when you asked him who wanted these statistics, did he tell you he didn't know?

We wish to thank you for your cooperation. Nearly two years ago we asked the noted Sindlinger Research organization to commence an intensive nation-wide survey to discover the answers to these and many other boating queries. As the most widely read boating magazine, we wanted information about the American boatman that had never before been available. We felt it was important to determine how many inboards, outboards and sailboats were in use in the country, and how they were being used, what boats, products, and activities interested you most. Interviewers were not told who had requested this material; we wished an intensive and completely unbiased response from which to develop a depth analysis of boating today.

From the great fund of facts obtained we have compiled a composite picture of the 1959 boatman, his

Boats owned by POPULAR BOATING readers are shown by size and type below. Solid bars indicate percentage of each type in overall reader total, while dotted lines show percentage position of each class from total of all boats owned in the country.



boat, and his activities in this fascinating field.

POPULAR BOATING's articles and coverage of the sport will reflect your special interests and needs reported in this exclusive survey.

How do your interests compare with those of the average boatman? The questionnaire shows he likes to read about all sizes of craft from the smallest dinghy right up to the largest cruiser. He does some repair and maintenance work on his boat and likes to learn new shortcuts. How does your size boat compare with the average? Of the 331,000 craft owned by P-B readers, 27%—the largest single group—are between 17 and 19 feet with outboard power; 15 to 16 feet rate next. With inboard power, 12,100 reader-owned inboards are 26 to 30 feet, while next most popular are 11,700 in the 31 to 40-foot range. Below we show the types of boats in the P-B fleet, but whatever group you belong to you can look forward to articles for you—the survey indicates that multiple interest is characteristic of this field: large cruiser owners want to learn more about their own boats and sailing dinghies as well, outboarders are making plans for inboard-cabin models, sailing auxiliary skippers tow an outboard and want to know what power will be needed for water skiing. And a great many fortunate skippers are happy with their present craft. Stories telling how to get more enjoyment from every size from skiff to schooner will continue to appear.

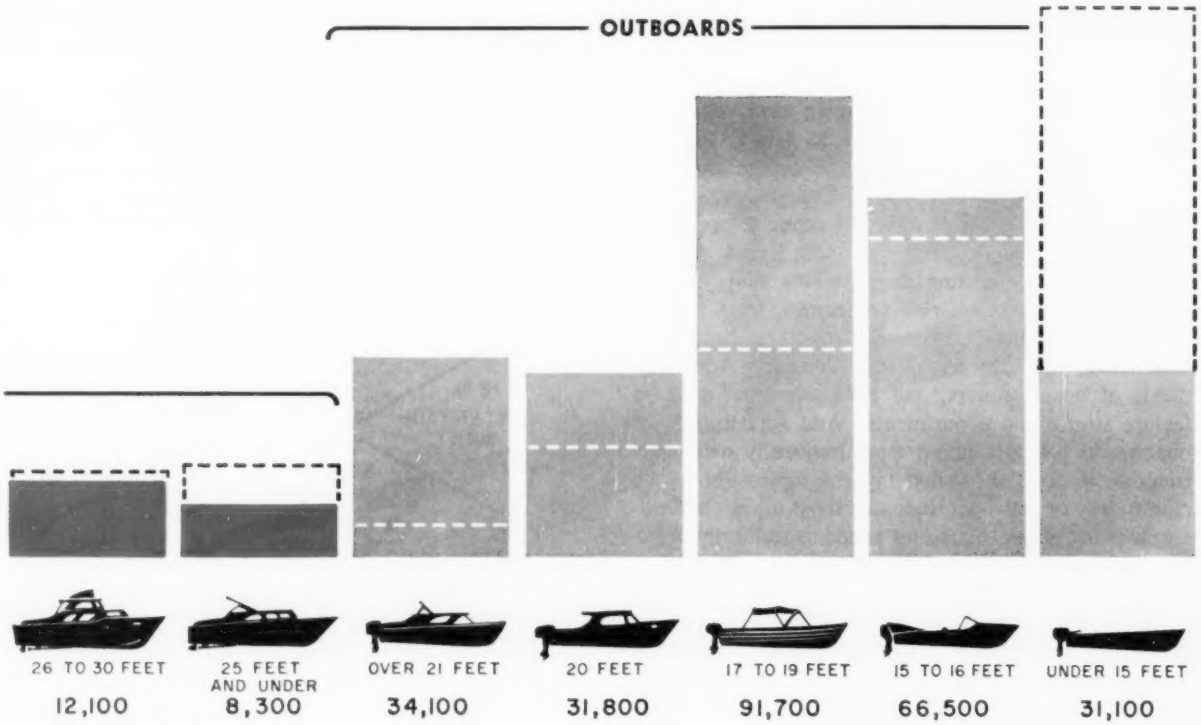
How do your boating activities compare with those of other POPULAR BOATING readers? The largest percentage have been interested in boating for from five to ten years or more. The average reader is married and earns around $8,500 a year. If you take along family and friends, go for extended cruises, and use your boat for fishing, day cruising, and overnight trips, you are like a large proportion of other readers. We were interested to find that 42%, the largest percentage group, go for trips of over 100 miles. If you are average, you buy 414.5 gallons of gasoline for your boat or boats every year.

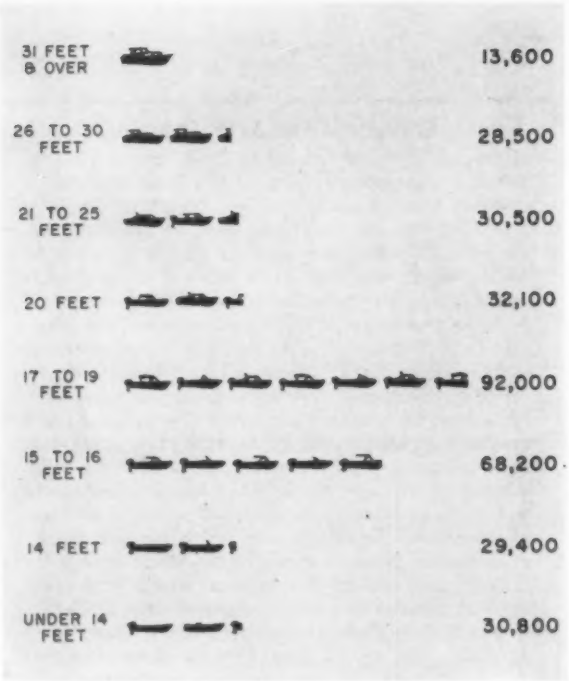
BOATING TODAY continued on next page

SINDLINGER SURVEY SYSTEM

A special approach is used by Sindlinger & Co., research organization chosen by POPULAR BOATING *to make a year-long study of the boating field. In a tested questioning system, usually by telephone because of the unbiased answers found to result, a phone owner who has been selected at random is asked if he, or anyone in his household is interested in boats and boating. If the answer is yes, the interviewer goes on to ask additional boating questions; if no, he stops completely and asks only questions for other survey clients. The interviewer does not know for whom he is asking questions. Throughout there are test questions so that if, for instance, a respondent says he buys a monthly boating magazine every week when it comes out, no further boating inquiries are made. By questioning thousands of people in all parts of the country for over a year, it was possible for the organization to reach a total where their experience showed they can predict national trends with great accuracy. Other companies using similar Sindlinger studies include General Electric, DuPont, Newsweek, McCall's, TV Guide, and Popular Science. From the detailed information derived from this exclusive research,* POPULAR BOATING *hopes to incorporate even more of your special interests every month.*

—The Editors





Size of Reader-Owned Boats

Sindlinger Survey figures show that pleasure boats of every size are represented in Popular Boating's reader fleet. Note 17′ through 25′ include both outboard and inboard.

Of people planning to buy, more (34%) mentioned inboards than (28%) outboards. Accessories to be purchased next, in order of mention, were sun glasses, binoculars, insurance, portable radio, spare propeller, fire extinguishers, and then on down through all the thousands of boating aids and hardware items which every boatman looks forward to lavishing on his boat.

If you own a trailer, you are most likely to use it once a week, trailing your boat for average distances of 15 to 30 miles. Trailering has grown tremendously in popularity during the last few years; 58% of P-B readers now use one: 194,000 are owned by boatmen and 8,000 more are rented or borrowed when the need arises.

Where do you get your fund of boating information? Readers credit this magazine first, with friends ranking next, followed by boating stores, books, Navy experience, circulars from marine companies, U. S. Power Squadrons and many other sources.

What do you read first in the magazine? Advertisements of boats, motors, and equipment, followed by feature stories and departments. And what phases of boating do you talk about most frequently with your friends? Reports show that favorite topics—boats we plan to buy or sell—get discussed most often. Maintenance plans, ideas, hints and products naturally come next, followed by descriptions of various activities of the sport, trips and cruises, and the new boats.

When you get your next boat, will you pay cash? Approximately 30% of readers who plan to buy look forward next time to paying on the installment plan.

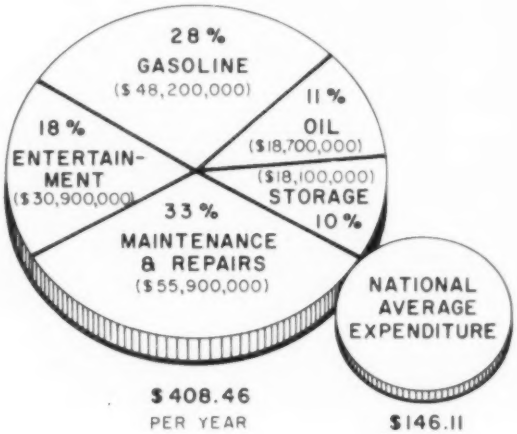
Some boatmen use their craft primarily for day cruising, some for water skiing, or sailing or racing. Over 54% of Popular Boating readers go on overnight trips. But that old favorite, fishing, has not been displaced according to our figures, and nearly every reader's boat carries a fisherman at some time or another.

Is boating today an expensive sport? It does not need to be. Some boatmen report they spend no money on storage, trailing their boat home or hauling it at some free shoreside location. Others state they do their own maintenance and cut this expense to zero. The average reader, however, when he adds up his costs for gas, oil, storage, maintenance, and entertainment finds he has spent $408.46 per year, as compared to an overall national average of $146.11. As a leader in the sport and a serious boatman, you also spend much more time afloat and get a great deal of additional enjoyment for your money. An ardent boatman, you shop carefully, but take special pride in owning and using the best in boating equipment and accessories. You like to entertain your friends aboard, and get full measure of pleasure from the sport.

Compare your boating activities with those listed here and you will undoubtedly find that in many ways you are not the average. But we felt that, as a boating enthusiast, you would be interested in this first authentic report of the many phases of boating in America today. This survey has told us in even more detail of your many interests, your leadership in the sport and your dedicated search for more ways to make your boating more enjoyable. Popular Boating will be reporting on them all for you editorially in the months ahead, as our noted contributors and boating authorities show you new experiences and methods to get the most from your boat. — ⚓

Average Reader's Boating Budget

While many P-B boatmen spend much more or less on various activities with every boating dollar, the average is $408.46 divided as shown at left. Other boatmen average $146.11.



FOR '59 ANOTHER GREAT NEW ENGINE
JOINS DISTINGUISHED CHRYSLER MARINE LINE

CHRYSLER SEA•V

Turn the page
for all the facts.....

ACTUAL COLOR:
SEA-V BLUE

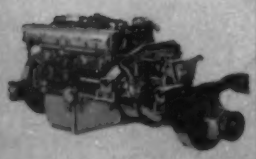
Sea-V 177 h.p.

Royal V Special 155 h.p.
(Not Shown)

Ace 95 h.p.

Ace Special 110 h.p.

Crown 125 h.p.



Crown Special 135 h.p.

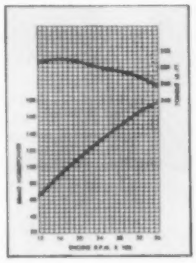
Imperial V Special 225 h.p.

NEW CHRYSLER SEA•V 177 h.p.

The power... the performance... the dependability you expect from Chrysler... at a price never before possible

SEA•V . . . brilliant new member of the tried and true Chrysler Marine Engine family! Here is lightning power . . . dynamic V-8 performance . . . never-say-die dependability in the tested Chrysler Marine Engine tradition . . . designed to meet the power needs of 80% of all inboard boats.

See SEA•V at the National Motor Boat Show or your nearest Chrysler Marine Engine Dealer. Check the specs., the power curve, performance data . . . you'll be thrilled by this new concept in quiet marine power!



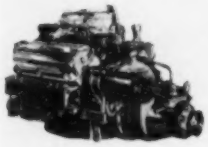
Sea•V combines higher horsepower at lower engine speeds . . . with a lower, trimmer silhouette

- 177 h.p. at 3600 rpm
- 318 cu. in. piston displacement

SEA•V

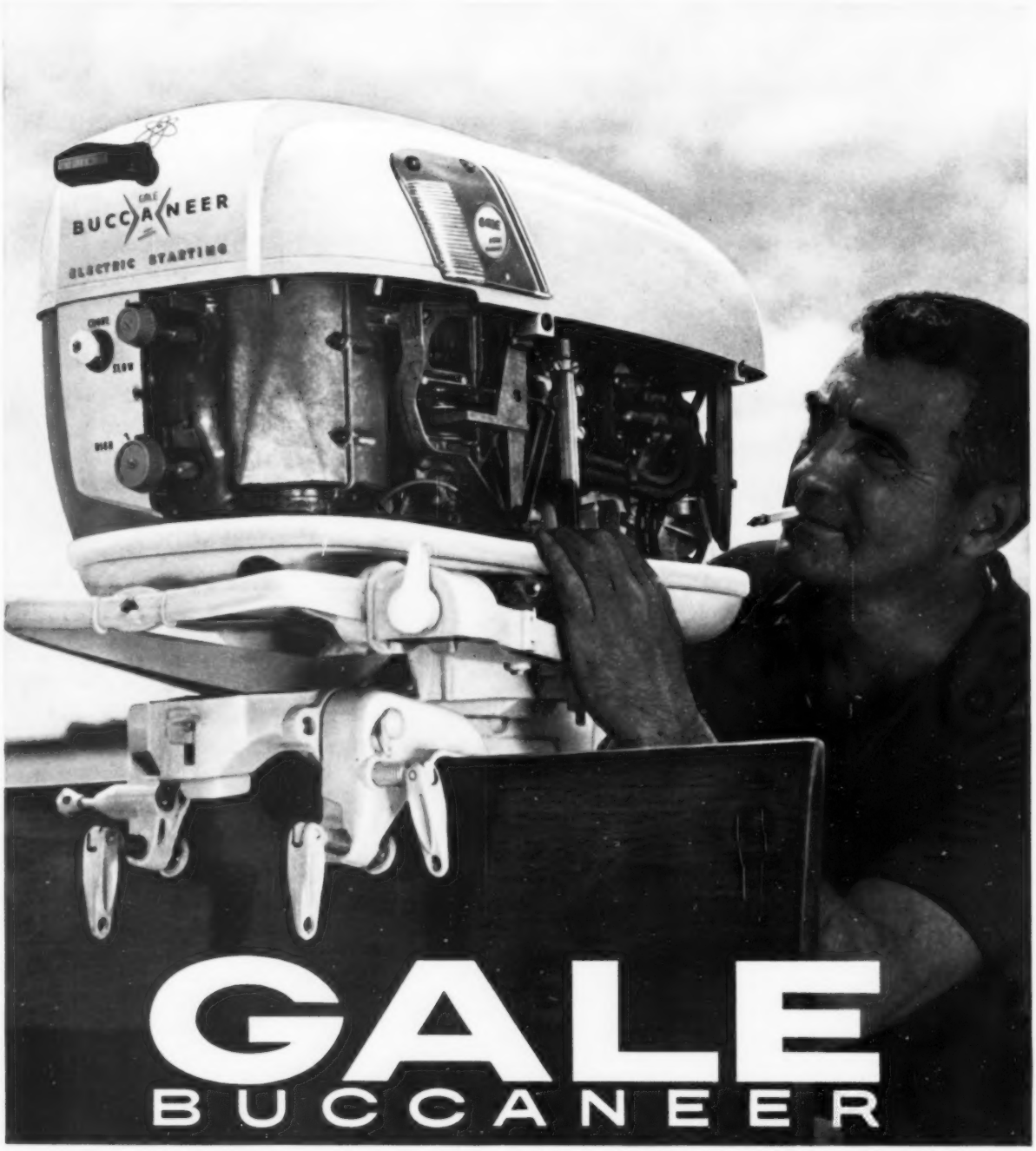
SEE THE COMPLETE CHRYSLER MARINE ENGINE LINE FOR '59 at the National Motor Boat Show, January 16-25, New York Coliseum.

Imperial V•275, 275 h.p.



CHRYSLER

MARINE AND INDUSTRIAL ENGINE DIVISION
CHRYSLER CORPORATION • DETROIT 31, MICHIGAN



Pure power for pure pleasure!

Carefree adventure awaits you as the owner of a GALE Buccaneer! On the outside of this exciting outboard motor, there's trim, functional styling and simplified controls. Underneath, there's pure power—coupled with the solid craftsmanship of forty years' experience.

For, chances are you'll never have occasion again to see the inside of a GALE Buccaneer. Only its smooth performance and complete dependability will remind you of the powerhouse beneath the beauty.

From start to finish, you're in complete command of the motor that makes even the beginner feel like an old-timer. Speed it up or slow it down, turn in any direction—it responds instantly to your touch.

You'll get this pure power in GALE Buccaneer models for every need . . . fishing, skiing, or cruising...in 3, 5, 12, 25, and 35 hp...priced from $140 to $595 for the GALE Sovereign. Write to us today for the name of your GALE Buccaneer dealer, and a free catalog.

35 H.P. SOVEREIGN BY Gale

Gale Products, Dept. 1429, Galesburg, Illinois, Division Outboard Marine Corporation.

The 16 foot All-American by Larson was considered by test skipper Hank Bowman to be a good, all-around family runabout. Above he finds craft turns with no tendency to skid or slip sideways, and has good acceleration characteristics.

POPULAR BOATING tests a:

Larson All-American

By Hank Wieand Bowman

LITTLE FALLS, Minnesota, is especially proud of two of its sons, Charles A. Lindbergh and Paul Larson. At the time that Lindbergh flew to prominence in 1927 with his solo trip across the Atlantic, Paul Larson had already spent more than 20 years designing and handcrafting fine wooden boats. Paul had been one of the early prominent figures in outboard racing until a serious competition accident in 1928 ended his racing career. However, Larson designed- and built-racing boats continued to make a name for themselves through to the beginning of World War II.

We singled out the 16′ All-American of this Little Falls boat builder for a test for several reasons. We had heard many favorable reports on the performance of these boats, and we were particularly attracted by the fact that a man who had spent 53 years in the boat building business—much of it in wood, followed by a post-World War II switchover into the metal boat field—would have the versatility and freedom from prejudice to make a complete change again and tackle the newer media of fiberglass.

Further, we learned that Larson was responsible for some of the developments which made the Rand Gun process applicable to the spraying of glass fiber and resin to form reinforced molded fiberglass boats.

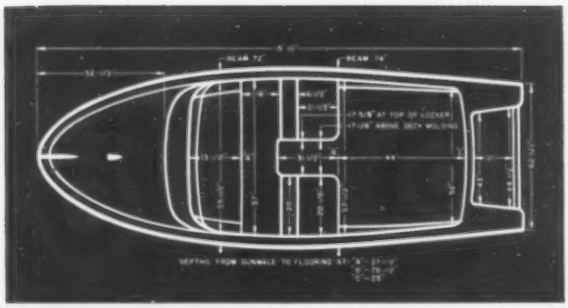
In conducting tests for POPULAR BOATING, sometimes as many as three or four manufacturers' products are checked each month before selecting a boat that is sufficiently outstanding to warrant a report.

I had hoped that my trip to Minnesota in late October would uncover a boat I wanted to report because I certainly wouldn't choose the upper Mississippi River on the eve of winter for a pure pleasure junket.

There was a crisp skin of ice on the puddles along the Little Falls streets, and on the morning of the second day of testing, a fine powdery snow fell briefly. Yet on both days I was able to get in plenty of underway time.

TEST: continued on next page

PB's test author found the All-American average in speed, clocking about 24 mph with a 35 horsepower motor installation.



POPULAR BOATING RATING FACTORS BOX SCORE	Excellent	Above Average	Average	Below Average	Poor
Safety	✓				
Comfort	✓				
Adaptability			✓		
Durability	✓				
Styling		✓			
Speed			✓		

The accommodation plan, wide deck, and spray deflecting windshield that gained the All-American an excellent rating for comfort are shown above.

For *safety* we give the All-American 16-footer an excellent rating. Part of this I admit may be gratefulness to Paul Larson for designing a boat which didn't get me wet down during the gusty test session nor flip me into the frigid Mississippi water during my frustrated attempts to upset or swamp his boat.

One feature of the All-American that particularly appealed to me from the standpoint of safety is hidden in the completed boat. Behind the side panels that line the interior of the fore and aft cockpits are four cubic feet of styrofoam running from sheer line down. This offers 220 pounds of positive buoyancy plus an additional 624 pounds of flotation incorporated in ten cubic feet of air compartments in the bilge. This total of 844 pounds of flotation is exceptional in a 16′ runabout. But more exceptional is the placement of the styrofoam. Its location adds not only to the stiffness of the sides of the hull but would offset a tendency of the boat to roll in the event it should be swamped.

The Larson test model was rated for outboard power of 18 to 80 horsepower. The bulk of my testing was conducted with a Johnson 35. Merely to check the safety of the design, I tried a lighter weight model hull, 14′8″ l.o.a. rather than the 15′10″ l.o.a. of the All-American Model 162, with a 50 horse motor on it. Though the smaller, lighter model was far more sprightly in performance, it had no more tendency than the All-American with a 35 h.p. motor on it to skid, spin out, or dig its bow during hard over full throttle cornering.

The heavy duty plexiglas windshield of the All-American was generous in height, offered unobstructed vision, and was ruggedly framed with a sturdy buffed-aluminum extrusion trim. With top and side curtains up, underway operation was considerably more comfortable, particularly in the close to freezing temperature. Like all boat tops on runabouts, outboard or inboard, the operator's vision with the top up is reduced to quite an extent.

The All-American was notably untender to prop torque or weight shifts. This is due in part to the decided forward flare, which gives her a topside beam of 72″ across the front cockpit. Aft at the transom she has a 62½″ width, with an extreme amidships beam of 74″. These dimensions coupled with ample weight (approximately 610 pounds) keeps her from rolling at idling speed in a heavy chop, shipping water in really rough going, or listing when passengers shift from side to side.

One feature which we checked with considerable interest was the fore and aft clearance from the front of the transom motor board to the trailing edge of the molded-in transom well. My own measurements show an ample 24″ although the manufacturer had claimed only 21″. The importance of this measurement is to be sure that any motor installation, single or twin, can strike an obstacle and fully tilt with a provision for ample finger clearance. Passengers grip seat backs and lips of transom wells. Fingers have been lost and arms badly bruised because designers did not consider this contingency and provide enough clearance. The All-American offers this safety factor.

The flooring of both fore and aft cockpits is flat, free of any obstruction. There are no jagged unfinished areas, as all raw edges such as storage compartment hatches are trimmed with a U-shaped, chrome-colored plastic.

From the standpoint of *comfort*, the All-American again gains an excellent rating. The test boat was equipped with seat cushions and padded upholstered 3″ thick back rests which list optionally above her $985 f.o.b. tag at $79.50. I removed the cushions during the more violent part of the testing and found that the molded fiberglass seats were comfortable without the padding and the 3″ drop did not affect forward or side vision.

Probably you have already noticed that the All-American has a lapstrake design below the chine line. What isn't noticeable is that unlike other lapstrake designs, Larson has incorporated an original feature, a 10¾″ wide by ¾″ deep reverse lap extending along the bottom at the center line. This reverse lap or box channel serves to gather air and offer additional lift. This feature may explain the

. . . good performance, excellent safety, are built into the All-American

Noted racing driver Bill Cox is shown above in a Larson Class F Hydroplane. Fifty-three years of experience have earned Larson laurels as a builder.

More deluxe version of the All-American offers padded cockpit panels, Wheelsman Safety Lock steering, vinyl upholstery and a $1150 price tag.

boat's excellent acceleration characteristics. Coupled with the standard laps, the hull takes on the desirable attributes of any lapstrake boat. In hard cornering there is no squeamish feeling of skidding, for each of the laps acts like a shallow longitudinal fin to prevent the boat from following any natural tendency for the stern to overtake the bow.

Further, the PT-boat flare of the bow area cuts waves cleanly, yet cushions the shock of choppy water or larger waves. Spray does not come into the rear cockpit even at a fast pace heading into the wind and chop. The aft cockpit remains completely dry except in the most violent turns.

The score in *adaptability* is only average. The All-American can be taken out in reasonably rough weather and operated on any type water suitable for sensible cruising with a 16-footer. With her generous transom beam of 55½" measured 3½" above the center line, her ability to accelerate and get on to plane quickly makes her a desirable ski-tow boat.

The All-American Model 162 selected for tests is a five seater, carrying three passengers comfortably forward and two in the rear cockpit seated on molded-in side or stern-facing seats. However, the remaining aft cockpit space is sufficiently long for only one below-average height person to stretch out at full length (head aft, feet between the seats as can be noted from the interior arrangement sketch). The same applies to the more lushly appointed Model 165. A Model 160 (all three use the same hull) has a completely open rear cockpit but neither the interior width, average 55", the length 63½", nor the front seat 57" width is sufficient to offer over-night sleeping comfort to anything but a trio of Brownies or Cub Scouts.

The All-American bounces right back into the excellent column in her *durability* rating. Part of this top bracket score was based on my tour of the Little Falls plant where I observed the boats in various stages of construction. I saw at first hand that though the Rand Gun "spray-up" process speeded construction as compared to a hand lay-up of glass cloth, it also assured complete saturation and a perfect blending of the random dispersed, uniform length, hard chrome finish glass roving and the resin in a controlled ratio of 38% glass content.

High glass-resin ratios are possible and hand rolling and squeegeeing of each successive sprayed-on layer largely eliminates the possibility of entrapped air that might lead to weakness or delamination of the layers.

Laboratory tests indicate flexural strengths of the sprayed plastic lay-ups of 35,000 to 40,000 pounds per square inch, with tensile strengths of 12,000 to 14,000 pounds per square inch. This gives the fiberglass hull, thickness for thickness, flexural strength of about 75% that of structural steel, and pound for pound four times that of steel.

Added stiffening in the Larson boats is accomplished with wood framing, cedar strips fiberglass molded into the lap sections, and taffy stripping of resin saturated bundles of glass cord.

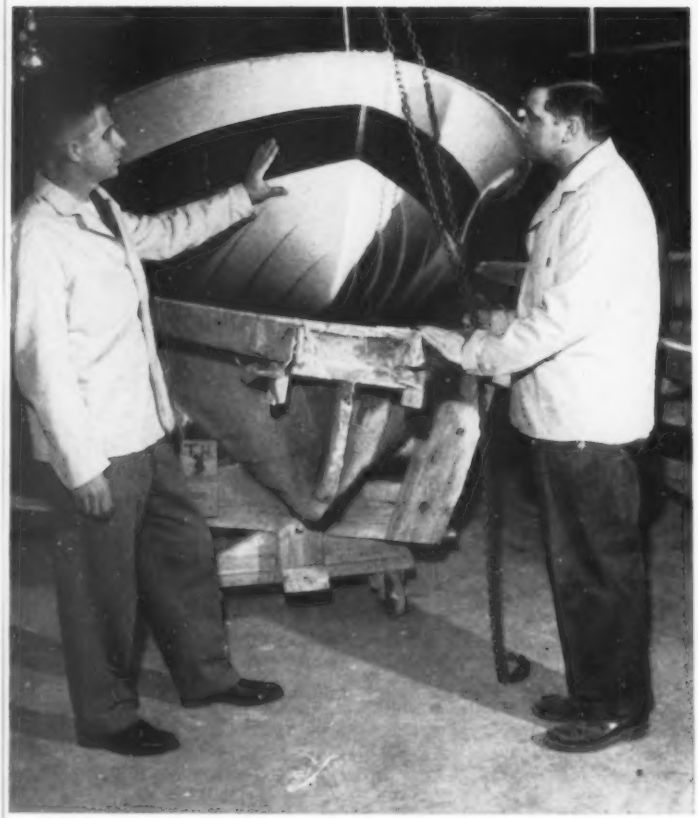
No corners appear to be cut concerning quality. The colors of the Larson hulls are all molded-in rather than sprayed or painted on the finished mold, even to the novel application of the optionally extra molded-in chine line side trim-stripe that lists at $36.

Gunwale rub rails are constructed of vinyl extrusions bonded and bolted to the sheer. Seats are an integral part of the deck mold with no bolted together joints to work free. Even such seemingly minor items as the steering cable, which is supplied as standard equipment with the factory-installed steering wheel and hardware, is top quality vinyl coated flexible stranded-steel Berkley tiller line.

This is a boat that should give long rugged service with no tendency to break up. It will not noticeably show the effects of exposure to the elements, and certainly seems free of any tendency toward delamination.

In *styling* the All-American drops below an excellent rating. We gave her above-average in this respect. Many thoughtful styling items are incorporated. For example, the steering cable control holes are already precut at a

TEST: continued on next page



When lifted from the female mold, the All-American shows excellent finish, even before buffing and waxing. The lap strake bottom and stripe with molded in color are Larson features.

The standard All-American is 15'10" overall, and lists at $985, including convertible top, curtains, stern cover, windshield, steering, hardware, lights, cockpit panels, and drain plugs. She will handle 70 HP.

TEST: continued from page 67

high splash-free level in the motor well. Any rawness of the hole cut has been eliminated by U-shaped trims which will prevent chafing of cables, fuel lines, and electrical harnesses.

But, I considered the access panel at the rear of the aft cockpit to be poorly designed. The compartment itself is roomy and large enough to house several remote fuel tanks plus a battery and a tool kit or carrying case for spares. To get at it, however, you have to turn several clips, then lift and juggle around a rather sizeable plywood compartment panel. In its stead I would far prefer to see two sliding panels that move in tracks so that you would have access to either half of the compartment by merely sliding one door along the face of the other.

Back to the plus side, wraparound windshields on too many boats appear to be installed as afterthoughts. Even with rubber or plastic grommeting at the bottom, spray dashed onto the foredeck has a way of dribbling down into the front cockpit and all over the occupants' legs. The Larson wraparound windshield fits forward of a molded-in deck ridge which effectively seals the windshield properly to the hull.

Similarly, the entire cockpit coaming includes a molded lip to prevent water on the foredeck from running over the sides into the cockpit. On rainy days this can be a desirable feature, particularly as the standard boat top, included in the Larson All-American's equipped price, comes complete with flexible side curtains that can be rolled up for stowage but which snap fasten to the outside of this lip-rail to effectively seal out air or driving rain. The top, incidentally, folds compactly down onto the tray area above the dashboard so that it is never in the way and need not be removed due either to unsightliness or bulk.

In the realm of *speed* we give the All-American only an average rating. With the 35 horsepower Johnson showing a tachometer reading of 4300 rpm and swinging the standard factory-supplied wheel, the maximum I was able to clock with one passenger, both of us sitting in the forward cockpit, was 23 mph. Moving the passenger to the rear cockpit speed increased to 24 mph. With two passengers, we were able to hold a speed of 22½ mph., and alone in the boat, I found the needle of my Aqua Meter crept only slightly to the optimistic side of a 24- mph reading.

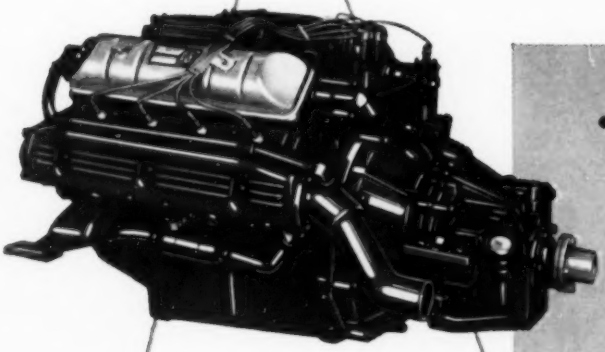
The ability of this broad-beamed hull to accelerate was better than her mediocre top speed. Six 0-to-15 mph clockings with and against wind showed she could jump from idle to 15 mph in an average of 5.7 seconds. A similar group of 0-to-20 mph runs gave her an average speed acceleration in this range of 12.4 seconds.

In justice to the boat, an inspection of the propeller showed that it had a number of nicks and could well have been slightly out of pitch, though I noted no unexplained vibrations. I suggested that the manufacturer rig her with what he considered to be an average power plant that might be applied. It struck me that the boat had been a bit under powered. I feel that the average buyer could power the boat with anything from 40 to 70 horsepower with better satisfaction than the modest, 35 h.p. for this sturdy 16-footer.

But keep in mind that this particular Larson model is designed as a versatile all-family runabout. If speed is your prime interest, then you better check the Larson Thunderhawk or Falls Flyer.

However, as a general family pleasure boat, you'll be hard put to find a better dollar-for-dollar buy and a better all-around performer than the All-American 16-footer. A final clincher might be one of delivered cost. Larson boats are manufactured in Georgia, California, Wyoming, and Cornwall, Canada, as well as in Minnesota, so that long distance freight charges won't add too much to the list price in most sections of the country.—HANK WIEAND BOWMAN.

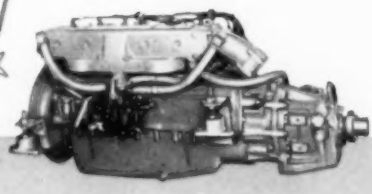
MAKE A GOOD BOAT BETTER WITH POWER by GRAYMARINE



• Gray's smooth V-8's—new 135 hp and 170 hp, also 225 hp—have already distinguished themselves in many varied installations for those who want top power in a lightweight, compact yet sturdy package. Many features, including new Warner hydraulic gear, smooth idling, quick acceleration, top-of-engine servicing and balanced cooling.

3 V-8's: 135 HP (NEW) • 170 HP (NEW) • 225 HP

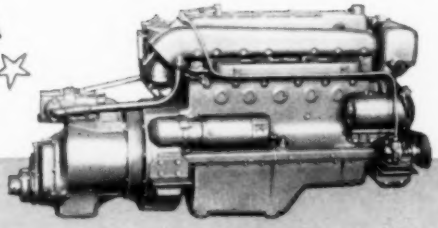
19 FOURS AND SIXES



• Gray's nine 4-cylinder engines cover a wide range of requirements, and are rated at 25, 31, 45, 60, 63, 70, 75, 85 and 90 hp.

Gray's 109 hp Model 109 (shown) is popular with workboat operators, and one of ten fast, smooth 6-cylinder engines rated at 109, 116, 118, 120, 136, 150, 165, 175, 185 and 200 hp.

6 CUSHIONED-POWER DIESELS



• Gray's 130 hp Six-D427 shown, use-proved for years in Government service, is representative of the Gray Diesel line—25, 30, 60, 130, 150 hp, and now the new 190 hp Six-D802. For those who want the benefits of Diesel power, Gray's four-cycle design is an extra advantage, resulting in simpler maintenance and smoother, quieter operation.

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Starting with a big plate camera when he was 11, Rosy has moved on to use 12 cameras now from large press model to 35mm miniature. Every shot, however, like the racing Internationals at right, shows the feeling for sea and sails that marks each Rosenfeld photo.

boatman of the month

Morris Rosenfeld

For over fifty years, seascapes have become art when recorded by the man whose name means the best in marine photography

By Stanley Rosenfeld

THE MAN behind the camera sways with an easy and effortless motion to meet the movements of the boat. His soft brimmed canvas hat, well chewed Havana cigar, and his boat have been selected with care and are used with affection. His weathered face and manner bear the mark of years spent outdoors. He wears no dark sun glasses, and on the brightest days his keen blue-grey eyes look without squinting toward the sun glaring in over the water. In his mid-seventies, when the sea is rough and the deck jumps and rolls beneath his feet, his reflexes and coordination are so automatic that he can balance himself while both hands work with his camera as he holds it to his eye long enough to catch the moment of action that tells a story.

For most people, the source of work and relaxation are different. For Morris Rosenfeld, the years spent in yachting photography have been a continuing source of vitality, satisfaction, enjoyment and deepest meaning. When he received the Ole Evinrude Award last year for "Lifetime Contribution to Recreational Boating," a part of the inscription on the bronze plaque presented to him read: "He has recorded a half century of American boating with such integrity, skill and sensitivity as to create in the uninitiated an understanding and appreciation of the pleasure afloat."

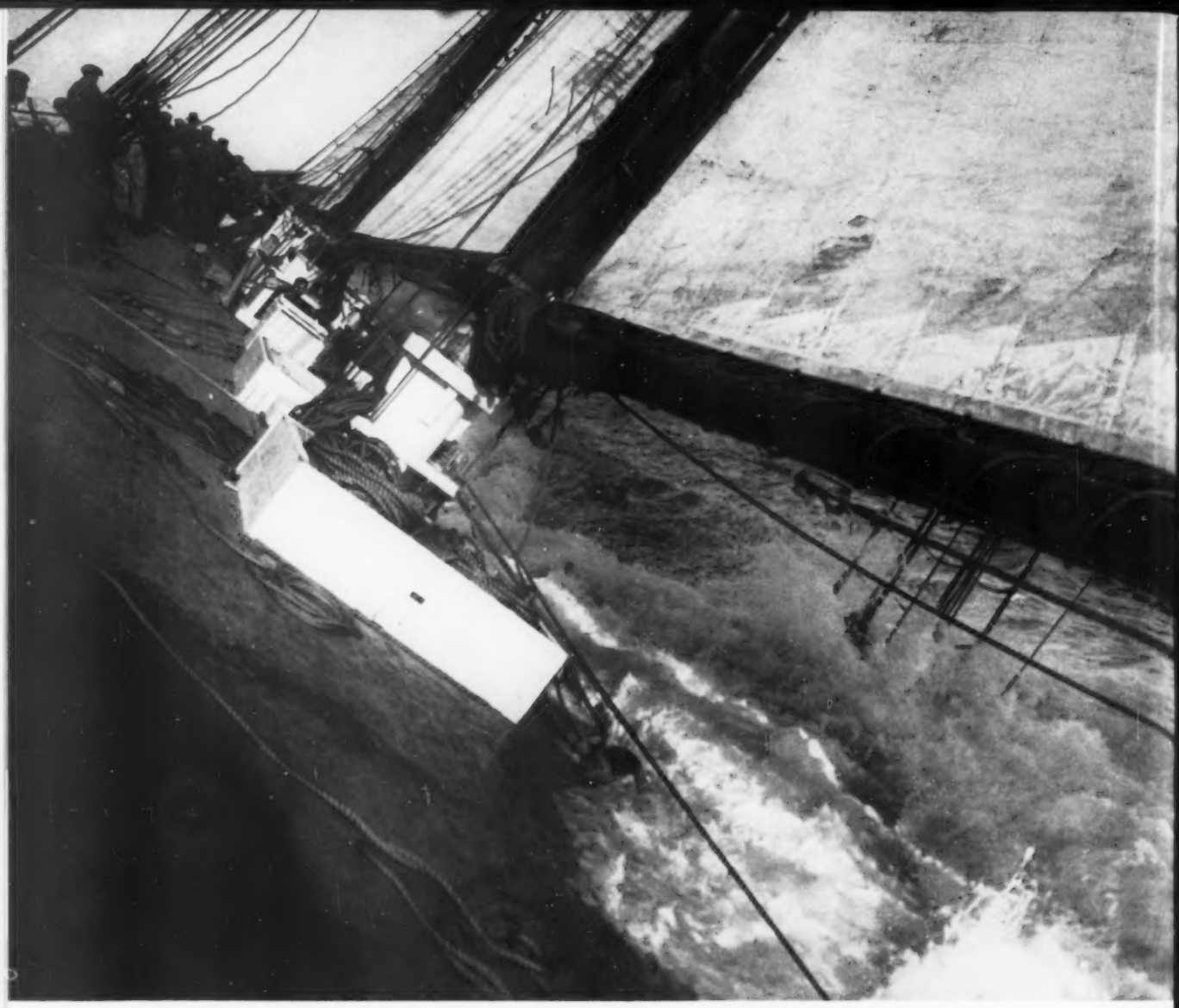
He often is asked how he happened to make a career of marine photography. He usually answers with a shrug. "I just don't know, except that sky and water and ships always fascinated me."

It was a career on which he embarked very early, reaching for it more from intuition than design. His first personal experience with ships and the water came from swimming and rowing in the East River near the foot of Manhattan. Even sixty years ago, the East River was so filled with debris that only a youngster could look forward to swimming there. For that boy a whole panorama swept past—small sailing canoes to great transatlantic liners. Though almost as active today, the river spectacle then had more sail and steam and, in the sight and sound and smell of it, more of romance. It is easy to understand its attraction to a boy who lived there and who was fascinated by sky and water.

Rosy's first success in photography came before he was twelve years old. The desire to have a camera in his hands had been stirring even earlier, but he had not been able to afford one. In a group effort with five other boys who had

ROSENFELD continued on next page

17



"The fishing schooner Henry Ford heeled down during a 1922 race and seven feet of water were boiling above her lee rail. Rescue my sliding camera case or catch this action? I took the shot and have never regretted it."

ROSENFELD continued

lots of enthusiasm for photography but no more cash than he, they raised nine dollars between them and bought a Premo four-by-five inch plate camera. The agreement was that each could use it in rotation for a week.

When his turn with the camera came, he set out early in the morning with the intention of photographing the vessels docked along South Street with their bowsprits and rigging and soaring out over the traffic below. As he trudged along with the camera over his back he passed a shipyard with a three masted barkentine drydocked there. The morning sun occasionally breaking through a heavy bank of clouds glistened on the water of the East River and the rigging of the vessel, and shone through a few sails left drying aloft. It was a situation he has never been able to resist: heavy pattern of clouds, back lighting, sparkling water, and a ship. He stopped right there and before long had exposed all of the few plates he owned.

He printed these negatives and entered one in a photographic contest; it was published with the first "Photograph by Morris Rosenfeld" credit line and won him a five dollar prize. To this he added two dollars and bought his first camera, a four-by-five inch Century, and with his own equipment felt he was started on his way. Actually the start had come when he carried that first camera directly to the waterfront; it was an act which, since his pre-teen years, he has followed with singular purpose.

When he reminisces about old days, it is more apt to be about his early free-lance news photography. But some of his boyhood recollections indicate he already had qualities of news photographer. He had to be willing to carry heavy loads, the photographic equipment then was bulky and heavy. And even as today, most news men were aggressive, self confident, and willing to move fast.

"I can remember when I was still in grade school I got a job helping an iceman. I would carry chunks of ice I could hardly lift to the top floor of a walk-up tenement. That was hard work after school for a young boy, and I can't figure out now how I did it.

"When I first applied for a job as an apprentice photographer I was asked if I knew how to coat a wet plate. I said sure I could and I was sent into the darkroom to coat one. I can remember standing in that darkroom alone, looking at the plate and the jar of emulsion. I had never done it before and I had never seen it done, but I'd read about it. I stood there a minute—then I took the emulsion, poured it on the plate, tilted the plate back and forth as though I'd made one a thousand times, and did a beautiful job. I was a nervy kid.

"When I had my first job I used to walk to work to save the fare. After a few days I figured I could beat the trolley car if I ran. I can remember, after working through a hard ten hour day, running myself ragged trying to beat the trolley home."

One of Morris Rosenfeld's earliest part-time jobs was in an engraving shop. Here he was introduced to the mechanics and chemistry of photoengraving, the printing trade, and the excitement of newspaper and magazine publishing. He liked to sketch and later went to art school, but by that time was already becoming established as a free lance news photographer.

Few newspapers and magazines then had full-time photographic staffs. He was eager, dependable and willing to travel, and soon had friends among the reporters and editors, and enough work to keep him busy.

Rosy sought out yachting assignments wherever he could; would travel to cover one whenever an editor would advance his fare and lodging. Or, if he had funds enough to pay his own way, he covered regattas anyway in hopes he could get an editor to use his pictures.

Meanwhile he did news photography. In the early nineteen-hundreds Rosy photographed the Tong wars in New York's Chinatown, he covered the Triangle shirt fire, the Baltimore Fire, the poor sleeping in the parks on hot summer nights, President Theodore Roosevelt at Oyster Bay, society at Newport, and the early automobile races. He deeply regrets that when Jimmy Hare, one of the greatest of the free-lance photographers, asked him to come along to cover some Wright Brothers who were going to try to fly an airplane at Kitty Hawk, he could find no editor with enough confidence that an airplane might fly to give him an assignment to go down.

By 1910 he had less and less time for general news photography. His studio assignments grew rapidly in the industrial and advertising fields. But no matter how urgent were the demands of this financially rewarding work, he still found time to cover yachting, both sail and power. In 1907 he went first to Florida to photograph speed boat racing, and from then until World War II there was hardly a major speed boat regatta in the country he did not attend and photograph.

Starting in the 1920's the Regatta Circuit Riders Club was an active organization in connection with speed boat racing. Though many of its functions were social, it did much good work in popularizing speed boat regattas and made available to communities needing it the information, equipment and personnel necessary to hold a regatta. From its beginning, he was active in the R.C. 2, and in 1927, when its membership numbered 1300 racing enthusiasts, he was elected Commodore.

For a short while he was addressed as Commodore just about as often as he was called Rosy, but Rosy he continues to be to most people who know him. In the late 1920's the press room and driver's refreshment center at the regattas held in Miami was a shelter on the shore of the course fondly as Rosy's Cabana. And although he said at the time it was just a coincidence, a great many of Car Fisher's publicity stunts for a booming Miami included a real live elephant, affectionately named Rosy.

The demands of a growing family were neatly dovetailed into his photographic career. Rosy was never quite content with his photographic equipment and was always trying to improve or change it. The Rosenfeld home was always filled with cameras, and early morning or late night and the weekends he was home, he'd adjust them and fuss over them. He does not like to work alone, loves to talk over his photographic problems and ideas with the family, so Mother and the children were always called in to listen, fetch, carry, hold, suggest and in general be a part of the changes always in progress.

For the children, a chance to go boating was always the goal worth waiting or working for. Photography afloat for them was a part of the home and the way of life from the beginning, as normal an activity as anything. Both Mother and Dad were involved in it, for Mother's love of the sky, water, ships and the ways of the weather are as deep as Dad's.

Between them is a companionship in the spirit of his work as well as in the ways of life. When he was first courting her he was building up a collection of cloud photographs. She remembers that if they were starting out on a date, no matter how important, it was perfectly understandable that if an unusual cloud formation happened to pass, Morris would stop at once if he had his camera with him, or run home to get it if not, and spend what time was necessary until he felt he had the pictures he wanted.

She has always been interested in seeing Rosy or the children start out on a new project. She would go along if she could, or just cheerfully stay home. And still, whether the parting is for a day, a week or as sometimes has happened with the children, for the years of a war, she waves goodbye, and on the return home waves hello in a way that says she has been there waiting all the time. To watch her wave from the sea wall as Rosy and her sons leave the mooring for a days shooting in *Foto*, and to see her waiting on the shore to wave on return home is a vivid reminder of the clipper ship wives of the 1850's.

In the 1920's and early 30's, the anchorage in front of our house on City Island was often filled with large yachts, as well as occasional three-masted lumber schooners, waiting for a fair wind and tide to start on their passage down east. Mother was very fond of these large craft, knew them

ROSENFELD continued on next page

Every boatlover has a favorite. Rosy has always favored the slim beauty of Vanitie, although she lost to Resolute in America's Cup trial of 1920.

by name, and watched out for them, to report their arrival and departure when any of the family returned home.

The anchorage lay to eastward of the house, and it was a regular daily ritual for her to rise early with Dad and watch the pre-dawn light brighten the sky, see the sun lift over the horizon and play on the water and the rigging of the fleet. The passing of these large craft has never been filled for her by the host of smaller ones she knows today. For one in particular she had a special fondness and kept a strict record of its going and coming. Year after year Arthur Curtis James' three-masted yacht *Aloha* sailed passed the house with almost clocklike regularity every Friday evening of the summer as she headed down the Sound, bound from the New York Yacht Club anchorage at 23rd Street to Newport, Rhode Island. Mother was always out on the lawn waiting for *Aloha*, and somehow the weekend never began properly in those days unless Mother could describe to her family at just what time *Aloha* had passed by, what sails were set, and how beautiful she looked in the evening light.

Over the years *Foto* has been repowered five times and has acquired a few modern additions for convenience and safety—a new compass, radio direction finder, depth recorder and automatic engine controls. Otherwise she still is the same boat as when she was built.

But the cameras that go aboard her to catch boating pictures have changed a great deal. Back when *Foto* was new and Rosy stood in the cockpit with his camera, it would probably be one five-by-seven-inch model loaded with one kind of film. By the late 1930's when Kodachrome came into use, instead of one five-by-seven, he was using several four-by-five inch cameras, a 35mm for color film, and one other small camera for black and white candid shots. At the America's Cup races last year the engine cover, which also serves as a camera tray, was covered with a battery of cameras for the two Rosenfelds who were shooting (another was at the wheel) four four-by-five cameras, a Contax, an Exacta with a long focus lens, plus four other candid and two movie cameras. Twelve cameras in all, and for them a total of twenty lenses of varying focal lengths and speeds, exposing four kinds of color films and three of black and white.

None of the cameras were extras or spares, each was serving its own special purpose. The smaller candid cameras were used with the longer focal length lenses to reach closer to the decks of the contestants, shoot the crews in action, and get close-ups of the craft. The larger four-by-five cameras were used to take overall photos of the yachts themselves, for Rosy still likes the larger size film for this purpose.

The variety of cameras aboard *Foto*, each for a special purpose and each thought of in terms of anticipated action, make the cockpit a busier place during a race today than it was thirty years ago. Yet there are moments of relaxation on even the most exciting days, and at such times one is apt to see a familiar look come into Rosy's face. It is as close to an, 'all's right with the world,' expression as you will find, and it is most likely to be seen when he is aboard *Foto*.

Some of his feeling that the right place to be is afloat seems to carry over into his photographs. The small line "Photo by Morris Rosenfeld" is recognized by many, and in some particular way the photographs have a character of their own. A frequent remark is that, "You could tell it was a Rosenfeld photograph even before you looked at the credit line."

Just why should the reader experience this flash of identification? Probably because whatever the mood of the photograph, whether taken in sunshine or rain, in wind or calm, of action or relaxation, of a three masted schooner or outboard or canoe, it reflects in the story it tells Rosy's own feeling that it is good to be afloat.

—STANLEY ROSENFELD

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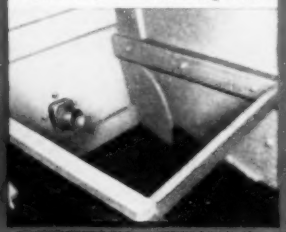
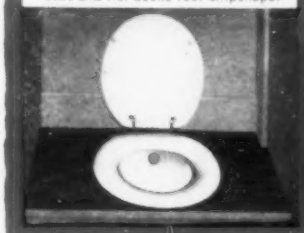
1:30 P.M. Cut hole for discharge valve. Since this is hardest part of the job, have friend do it.

2:30 P.M. Set up framework inside hull. Mount valve and secure. Job is well along now.



3:30 P.M. Cut plywood panel to fit bowl...insert bowl, then seat and lid. Looks real shipshape.



4:00 P.M. Drill hole through hull below water line and install water intake fitting.

4:55 P.M. Pump and hoses installed. Problem: find Honest John! (It's under the bunk, of course.)

5:00 P.M. Job's done...and the "Miss Zee" is ready for sea. New comfort for all aboard.

Only $57.50 Complete

That's all there is to it. Saves time *and* money. Honest John is made of high-impact styrene plastic—for permanent beauty and cleanliness. Simple, modern design. Compact—can be fitted into corner or under bunk. No complicated gadgets to get out of whack. Thousands in use. It's the "head of the family."

HONEST JOHN
MARINE TOILET

Also makers of ACE reinforced plastic WASHDOWN HOSE—*guaranteed 10 years!*

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Notorious grey ghost in the offshore rumrunner fleet of the Twenties, I'm Alone cruised the coast from Nova Scotia to British Honduras carrying up to 2,800 cases of liquor before her sinking in 1929.

QUEEN OF THE SUNSET FLEET

I'm Alone earned 3,000,000 bootleg dollars before an end that brought international claims of piracy and acts of war

By Henry Lee

SHE SAT LOW and sure in the water; saucy, enchanting, faintly scandalous with the whisper of liquor on her breath. And, like any *femme fatale*, mystery and violence surrounded her, too.

Even today, just thirty years after the exasperated Coast Guard finally put her to death with shellfire in the most notorious engagement of the "Dry Navy," we know little about the silent shore men who gave her sailing orders or who *really* owned her.

But we know so much else about her! From Lunenberg, N.S., where her keel was laid some thirty-five years ago, down to Belize in British Honduras, the last port she cleared in March, 1929, with a holdful of liquor destined for Davy Jones' locker, old-timers will tell you:

From the time *I'm Alone* dropped her first cargo of hootch off Cultivator Shoals outside Boston Harbor in the Twenties till her spectacular death down in the Gulf of Mexico, the schooner ranged, impudently and intermittently, from Gloucester, Mass., to the Delaware Capes and on down to Trinity Shoals in Louisiana's bustling Rum Row.

Probably the most profitable and legal of the rum runners (she scrupulously observed not only the three-mile limit but also the twelve-mile limit then in force for runners), *I'm Alone* brought an estimated $3,000,000 in earnings to her owners.

But she also brought unhappiness to her last master, a baldish, blue-eyed giant out of Newfoundland, Naval hero of World War 1, one of the few left of the old, free-wheeling skippers.

Khaki shirt open at the neck, sleeves rolled up for action, his heavy, wartime automatic swinging at his hip, Captain John Thomas Randall paced his deck and roared impartially to his eight-man crew and the U. S. Coast Guard:

"I'm the master of my ship, and I don't take orders—I *give* them!"

Even as a Coast Guard cutter raked him stem to stern with four-pounders and quick-firing rifles, he shouted out his defiance, "You may sink us, if you like, but you may not seize us!" Then as *I'm Alone* arched in death, he waited till her bow was twenty feet under water, the stern ten feet in the air before leaping into the sea, but though he didn't know it, his career, brave, bold, don't-give-a-damn, had been beached forever.

Even in death the *femme fatale* called *I'm Alone* wasn't through with men. She took one crewman with her and posthumously brought death to another man. She involved the United States, Great Britain, Canada and France in a complicated international incident that took six years to smooth over. She was quite a demi-lady.

Fore-and-aft rigged, a ninety-ton two-master, *I'm Alone* was a typical sea-going Nova Scotia schooner, designed and built to ride winter gales in the Atlantic and (with the prudent addition of two 100-horsepower semi-Diesels) escape Southern calms.

Her hold was capacious beyond the dreams of a Grand Banks fisherman—big enough to stash 2,800 cases of whisky, which would equal an awful lot of cod and halibut —and her only drawback was her low speed. Theoretically, at least.

I'm Alone's mission was to serve as mother ship to the "pullers" in smaller boats who actually slipped the stuff ashore. Since she hove-to safely beyond the twelve-mile limit to unload, there was no need for guilty speed and, it was maintained, she did only twelve knots.

Actually, that sounds like the strategic understatement of the U. S. Navy in disclosing ship speeds. Whenever *I'm Alone* leaped into full canvas from rakish foreboom to topsail, she managed to show her stern to the Coast Guard cutters. And when they finally set her up for the kill, it was only after a 200-mile chase that went on two days and two nights southwest across the Gulf of Mexico.

By Rum Row legend, a Midwesterner in the rum racket drew up her specifications. Just possibly, it was also whispered, a man who worked for a member of Canadian Parliament provided her stores and equipment, after which she made a shakedown cruise to Scotland.

Sometime thereafter, she appeared off New England—one of the original and most pestiferous of the rum runners despite her "slow" speed. For several years, the Coast Guard dogged her, but never caught her, nor did the hijackers who tried to intercept her between New England and the rum-supply islands of St. Pierre at Miquelon. At least twice, she repulsed boarding parties of sea pirates.

Then, in the fall of 1928, some changes were made. New owners took over, *I'm Alone* was transferred to the Southern rum trade, and 49-year-old Captain Randall assumed command. A sea adventurer, he had once skippered a schooner in Arctic exploration, and as a wartime lieutenant commander in the Royal Navy reserve he had been flotilla commander for fourteen Special Service vessels. He was a master mariner and carried a master's license issued in Cardiff, England.

Somehow, he came out of the war with both the Distinguished Service Cross and the Croix de Guerre with two palms, but he would only say offhandedly:

"Oh, I got into a mixup off the coast of Norway, captured a couple of German ships and sank two or three more."

A less courageous skipper would have gotten the jitters on the first trip. In November, 1928, Randall cleared St. Pierre with 1,400 cases of assorted liquors and fifteen halves of $1 bills for a rendezvous thirty miles due south of the Trinity Shoals light buoy off the Louisiana coast.

There he was to dispense his cargo to any "pullers" who could match torn $1 bills with him. But off Trinity, the CG cutter *Walcott*—the vessel that was to bird dog him to the kill four months later—sighted *I'm Alone*. For forty-eight hours, they played cat-and-mouse, and then in disgust Randall cleared out for Belize without unloading.

Killing time, he stayed in port a few days there, went on to Nassau in the Bahamas, and then beat his way back up to Trinity. A large motorboat with a high pilot house loomed out of the dark, $1 bills were matched, and 800 cases unloaded. *I'm Alone* stood out to sea, came back five days later and successfully unloaded the rest of her cargo to the same mysterious boat.

It went on like that till daybreak on Wednesday, March 20, 1929, when Randall's old enemy *Walcott* suddenly came on him from the westward near Trinity Shoals. Position was to be of the highest diplomatic importance, and Randall swore he was 14½ to 15 miles offshore.

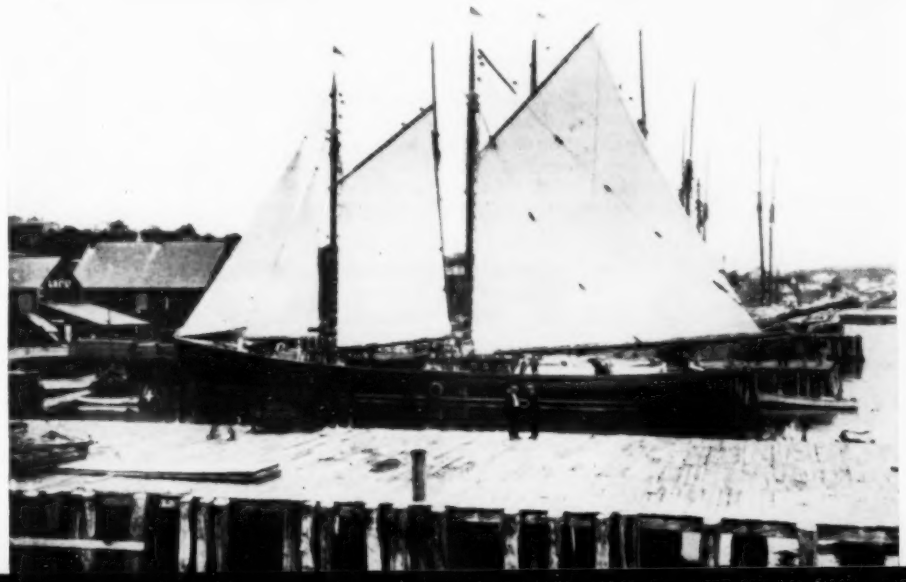
The Coast Guard begged to differ, putting him at 10.8 miles, well within the twelve-mile limit. Randall hove up anchor and steered a course south by west. The *Walcott* signalled him to heave to.

"Captain, you have no jurisdiction over me," Randall signalled back. "I am on the high seas outside of treaty waters. I cannot and will not heave to."

Walcott fired several blank shots, and Warrant Officer Frank Paul, her commanding officer, signalled he wanted to come aboard. "Nobody boards my ship unless I ask them," Randall signalled back. Then he relented.

"You may—if you come unarmed," he told Paul.

QUEEN continued on next page



Tied up in Lunenberg, Nova Scotia, where she was built in 1924, I'm Alone shows the typical lines of the sea-going fishing schooner which were to frustrate the Coast Guard for the next four years as she lurked offshore. Twin 100 hp diesels plus her full spread of canvas helped her to evade her Coast Guard pursuers.

QUEEN continued

Gun crew of the Coast Guard Cutter Dexter finally shelled and sunk I'm Alone in the Gulf of Mexico.

What followed was a scene out of *H.M.S. Pinafore*. Over tea, the two skippers discussed the situation for almost two hours. Paul reproached Randall for being stubborn, which the Newfoundlander didn't mind, and for having threatened to shoot him, which left the rum runner aghast.

"Captain, I can give you my word as an officer and gentleman that I did not even think of such a thing or say it!" he exclaimed.

Handsomely, Paul agreed to shake hands. He returned to his cutter, *I'm Alone* continued south at 7½ knots—and then, two and a half hours later, the *Walcott* returned, her signal flags ominously warning, *"Heave to or I fire."*

By megaphone, Randall told his late friend to go ahead and fire. He was given a fifteen-minute breather, which he ignored. Then four-pounders opened up and shells whistled through his sails and the British flag he was flying. From quarter ports, the *Walcott* also trained rifle fire on *I'm Alone*, and a slug nipped Randall on the right leg just below the hip, partly paralyzing the limb.

But he had skilfully placed shoal water between him and the cutter, and now *Walcott* dropped astern as *I'm Alone* fled southerly at her "maximum twelve knots." All day Thursday, the chase continued south and east. That night, Randall took in his sails, heading for a spot twenty miles east of Alcaran Reef off the Mexican Coast.

Friday morning, Randall made his position at roughly latitude 25.30 N and longitude 91 W, about 215 miles south by east from the entrance to New Orleans. But far and fast as he had run, he was in trouble. The wind had whipped up to a moderate gale, rough seas were running—and from the south-southwest a second cutter, *Dexter*, closed in.

Again Randall defied the United States Government, and this time, from 300 yards range, he really got it. Shells and rifle fire shredded his sails and peppered his deck. "Now will you heave to?" *Dexter* signalled. Randall lit his cigar, contemptuously flipped the match toward the cutter and again refused.

The fire was intensified, and the rigging cut adrift, the bulwark smashed, the foreboom shattered. Most of the crew huddled aft, ducking splinters, and the engineer called up that the water was rising over his floor.

Randall waited till his forward decks were level with the water and then shouted, "Cut those dories loose and shove off." He ran below for his log books and papers, wrapped them in oilskin, and dove over the side. Clinging to a cabin door, he managed to reach the *Dexter* with his men.

But one, Leon Mainjoy, could not be revived aboard the cutter and Randall said bitterly, "There's one death you must answer for."

QUEEN continued on page 80

LOOK TO THE LEADING LINE IN 1959

REGATTA LÜDERS
EPOXY BRONZE COMPOUND*
BREAKS THE FRICTION BARRIER

* SEE IT AT THE NEW YORK BOAT SHOW IN THE REGATTA YACHT PAINT EXHIBIT AND ON THE LUDERS EXHIBITION BOAT

REGATTA—first for 89 years with men who know boats—is first again in manufacturing the revolutionary racing bottom coating that was developed for the America's Cup boats and contributed so much to the performance of Weatherly and Columbia—LUDERS EPOXY BRONZE COMPOUND. This new product represents a new concept of racing finish application—and the result is the hardest, smoothest, fastest bottom material ever formulated. Fit out with the finest in 1959—REGATTA, the leader in paint chemistry, product research, advanced color styling and marine finish quality. Ask the man who knows boats.

REGATTA YACHT PAINT

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LAPSTRAKES for '59

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Dunphy lapstrakes skim smoothly over choppy waters. They respond instantly with speed and skid-proof maneuverability absolutely unheard of in other lapstrakes.

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"MAGIC CARPET" SEATS

The seating sensation of '58. Acts like a combination of springs and shock absorbers. Guarantees lifetime, maintenance-free, "calm water" comfort. Standard on some models. Optional on others.

Dunphy BOAT CORPORATION • 532 Broad St., Oshkosh, Wis.

Cutters Dexter and Walcott tie up in New Orleans after returning the rumrunner survivors in irons.

QUEEN continued

On Sunday, Randall and his seven surviving men were marched ashore in irons at New Orleans—and from Washington to Ottawa to London, the diplomats spent an unexpectedly busy Sabbath. Then, when it was discovered that Mainjoy was French-born, Paris joined in the outraged protests against American high-handedness.

In an unfortunate phrase, Warrant Officer Paul said *I'm Alone* had gone down "just like a submarine making a crash dive—quick." Bitterly, Randall retorted that the sinking was "the most dastardly crime since the German U-boat outrages of the last war."

Questions were raised in the British Parliament, a succession of notes exchanged, and a Conservative member of the Canadian House of Commons said the affair was an act of war if carried out under instructions of the U. S. Government, an act of piracy if committed on the initiative of the CG commander.

In turn, the Coast Guard insisted there had been "hot, continuous and unbroken pursuit" after *I'm Alone* "obstinately and arrogantly" refused orders to heave to. "She was armed and the actions and words of the officers were threatening," the Coast Guard charged.

Finally, in 1935, U.S. Supreme Court Justice Willis Vandevanter and Sir Lyman Poore Duff, the Canadian Chief Justice, sitting as a judicial commission, ended the incident. Canada, which had asked $386,000, received $50,666 and an apology from the U. S. The owners were awarded nothing for the loss of *I'm Alone* and her 2,000 cases of whisky, but Randall and his crewmen not only were exonerated but given "material amends" amounting to $25,666.

Even today, though, there is a teasing, unanswered question. Was *I'm Alone* really owned by a New York bootleg syndicate, though she flew the British flag and carried Canadian registry? Our government tried to prove so through an affidavit from one of the purported owners. Unfortunately, for the U. S. case, he could not be presented for cross-examination—he was killed before he could testify.

And there is a lingering touch of sadness, even today, about Captain Randall, whose spirited defense of high seas rights captured even American sympathies. "I'll go to sea again some day, but it won't be as a rum runner," he said jubilantly when he was exonerated.

But when he died in Halifax fifteen years ago at the age of sixty-four, he was working as a landlubberly mining prospector in northern Quebec and Newfoundland. After *I'm Alone* went down, he never got another berth at sea.

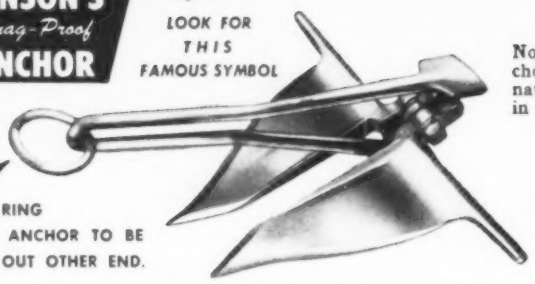
—Henry Lee

A FAMOUS NAME IN ANCHORING EQUIPMENT

BENSON'S

BENSON'S Snag-Proof ANCHOR

LOOK FOR THIS FAMOUS SYMBOL



SLIDING RING ALLOWS ANCHOR TO BE SLIPPED OUT OTHER END.

No more lost anchors or cut lines! "Ring" slips back along shank to crown, for easy, sure release. No back-breaking tugging! You can't beat a BENSON'S ANCHOR for terrific holding power. It bites the bottom and holds until you're ready for Snag-Proof "Ring" release. Dollar for dollar, BENSON'S holds more boat than any other anchor!

One-piece, self-locking. No fouling! No lashing! No clamps! Place anchor into chock and "Ring" locks it securely. Eliminates hazard of loose anchor in the boat.

BEN-LOK DECK CHOCK

LIFE-SAVER ANCHOR DAVIT

Holds anchor on point of bow ready for instant action. Safer, surer anchoring. Bring it in or drop it from any point in the boat with complete control. Line slides over stainless steel roller until anchor is safely cradled in ANCHOR DAVIT. Then, simply make line fast to cleat and anchor is safely secured. Adaptable to any type boat.

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New V8-220 H.P. Deluxe Cruiser ... product of Owens' revolution in boat building ... $4995* delivered!

SPACIOUS CABIN makes "living aboard" fun, with dinette table, converta-bunks with mattresses, dome lights, galley stove, sink and ice box.

FULLY ENCLOSED LAVATORY easily accessible. Large area in aft cabin section allows free movement in galley, more airiness throughout.

Only from Owens . . . a 22-foot honey that's really *one* for the money! Wider-beamed, extra sturdy, the roomiest "22" afloat. More spacious cockpit has mahogany yacht railings, opening windshields in cabin and flying bridge. Helmseat and all-weather canopy. A full walk-around deck and large foredeck. Completely all-new cabin, sleeps up to four in comfort. Popular **THRIFTY 150** (h.p.) Family Cruiser at **$4395***, or deluxe Outboard Cruiser at **$2999***. . . truly a rugged performer with any power choice. Owens Yacht Co. Inc., Baltimore 22, Md.

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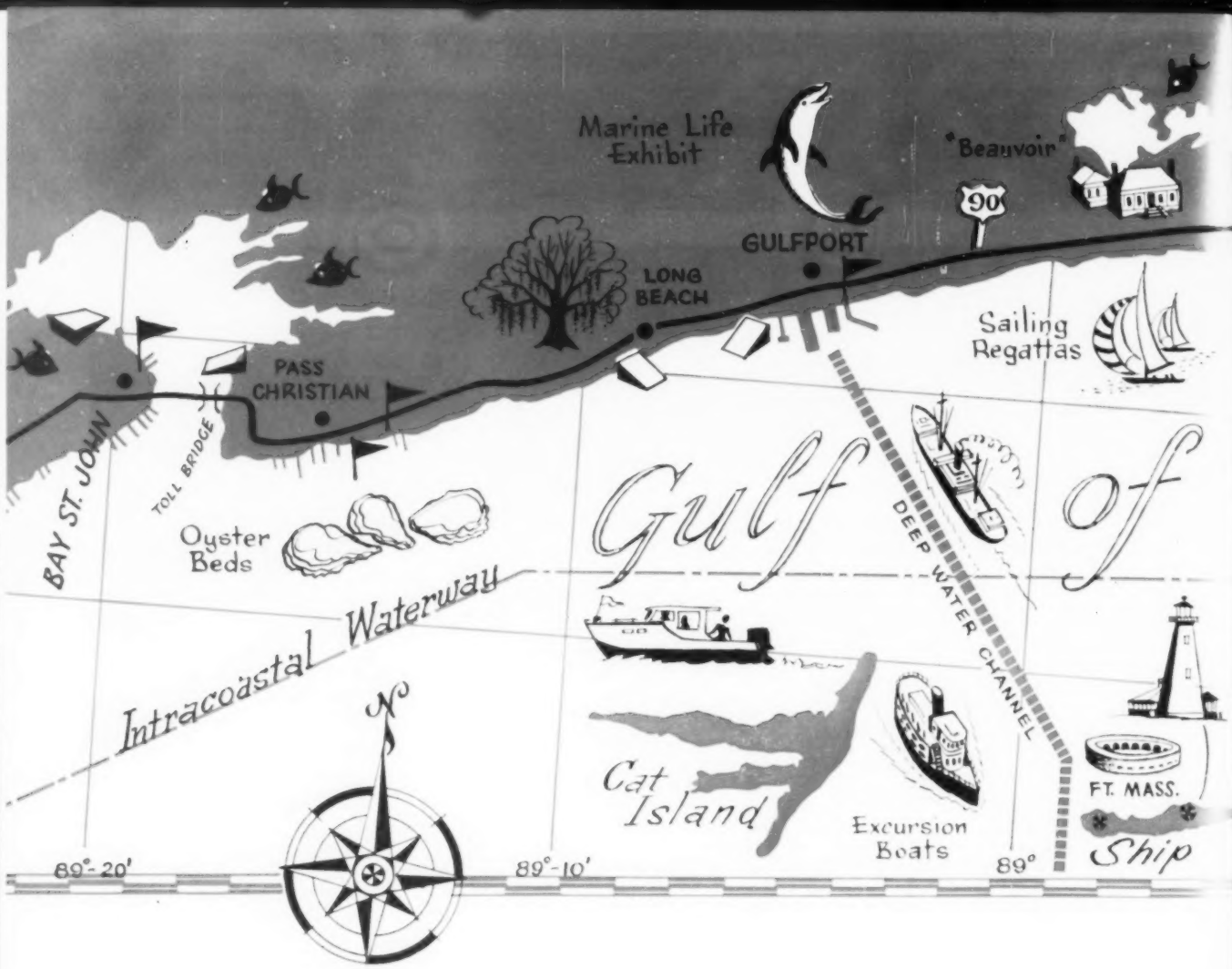


THE SUNNY SEMI-CIRCLE

Mississippi offers warm waterways for the winter boatman

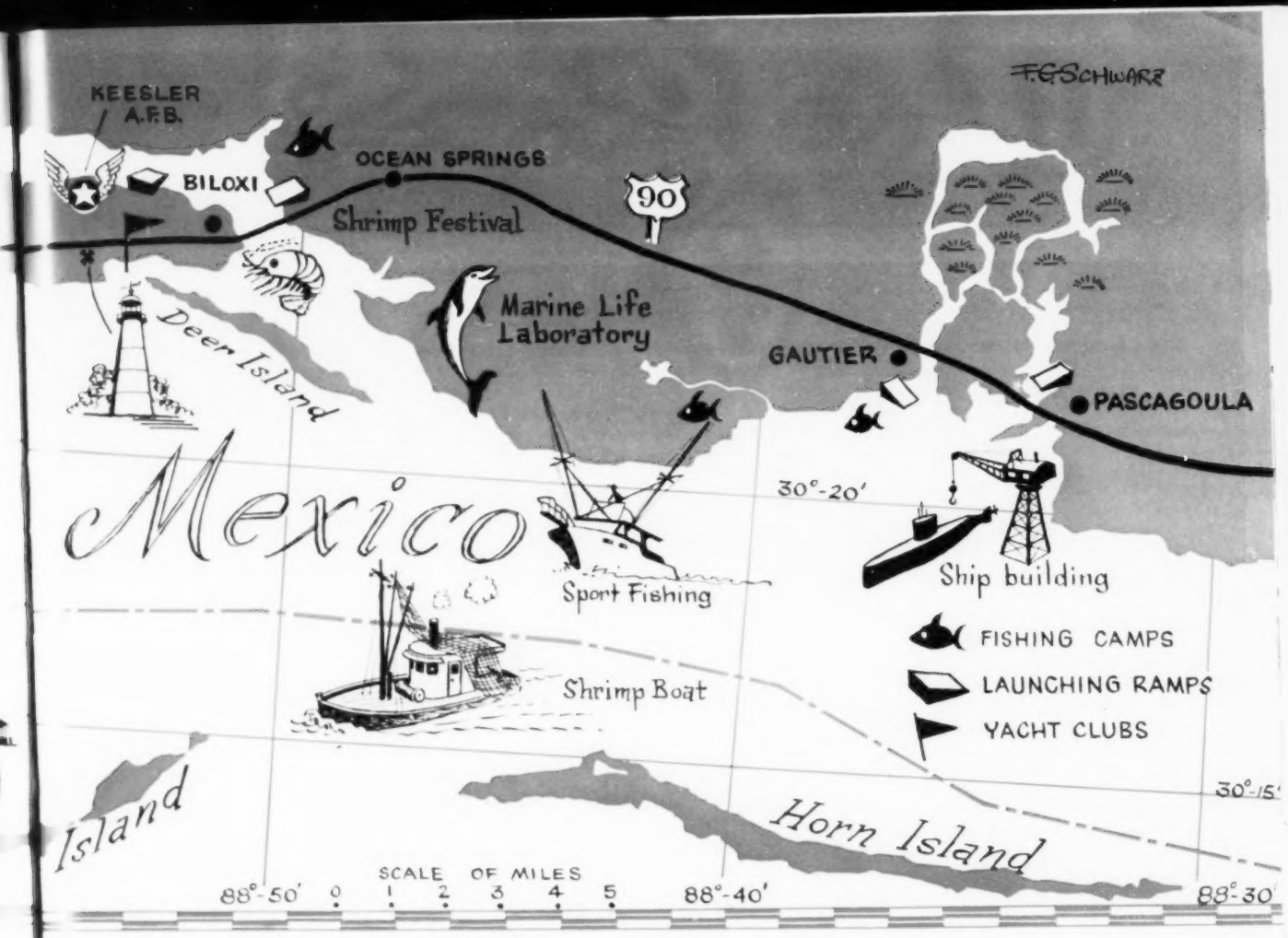
IN 1699, Pierre le Moyne d'Irberville sailed his battered little boats through the chain of islands off the Mississippi Gulf Coast and planted the Fleur-de-Lis flag of France on the present eastern shore of the Bay of Biloxi. Here he built a fort, and called it Maurepas. Today this same spot is the beautiful modern city of Ocean Springs.

Offshore, Ship Island still is known by the prophetic name given by these first French explorers. It originally was called "Isle au Vessaux," Isle of the Vessels, because it gave safe harbor. There has never been a time since that first historic landing that the Gulf Coast of Mississippi has not been dependent upon boats.

Today the shore line bears the unique distinction of being the longest man-made white sand beach in the world. It lies back of a concrete seawall from St. Louis Bay on the west to Pascagoula Bay on the east—28 tree-lined miles. Along this entire coastline there are literally thousands of small boats of every variety.

To fully appreciate this tremendous boating activity, you need a full-size picture of the Mississippi Gulf Coast area. Along the shore lies U. S. Highway 90 that runs from Florida to Texas. It is known as the Old Spanish Trail; some call it the "moss covered route" because of the huge oak trees that line the highway with their moss garlands dangling in the Gulf breezes.

On the north side of the highway there are stately old



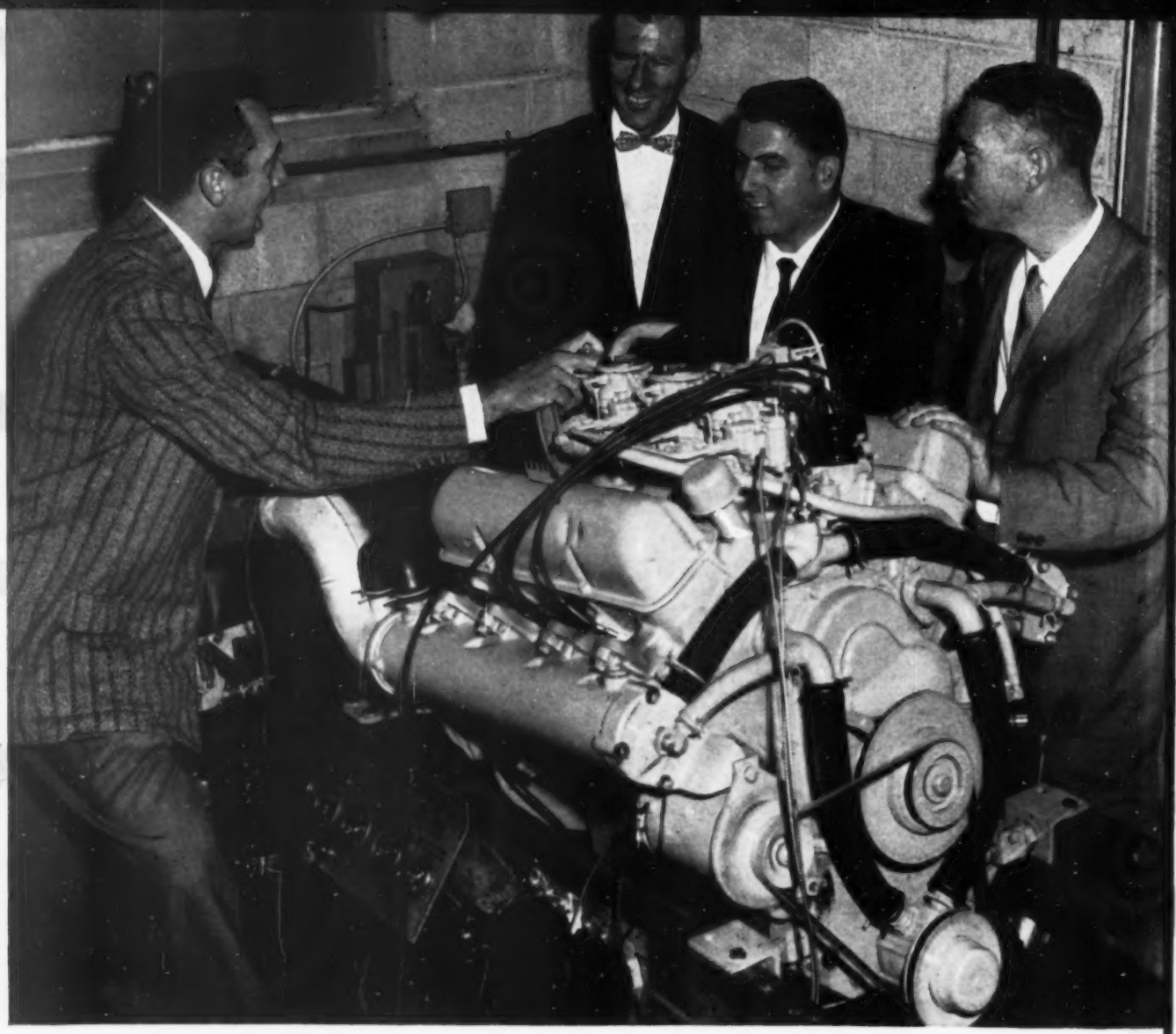
E ON THE GULF COAST

By L. A. Wilke

southern mansions, including some that had figured in the early history of the region. They are flanked by notable eating places and pleasant motels, all overlooking the Gulf. All along the beach side, turnouts are provided so that cars can be parked near the water's edge. Fishing and swimming are in evidence along the entire route, which runs from Bay St. Louis in the west through Pass Christian,

GULF COAST continued on page 86

Skipperettes do their share of hoisting sails for Gulf regatta races off the Biloxi Yacht Club.



L-R: Leading race drivers Fred Alter, Danny Foster, Lee Schoenith and Don Wilson inspect new Interceptor "361" at Dearborn Marine Engines, Inc., plant.

TOP RACE DRIVERS HAIL HIGH HORSEPOWER *INTERCEPTOR* "361"

They came to see for themselves! This is what they had to say: "You can't beat cubic inches"

"Wonderful . . . inexpensive . . . dependable. Now the man without too much money can afford an inboard!"—LEE SCHOENITH, three-time U.S. champion driver and manager of Detroit's famous Roostertail Supper Club.

"Mechanically, you've thought of everything . . . I'm amazed!" —DON WILSON, winner of Silver Cup, President's Cup, Sahara Cup, etc.

"Interceptor started the trend to modern, trouble-free power . . . you've done it again!"—DANNY FOSTER, the Mallory man and winner of President's Cup (3 times), Gold Cup (twice), Silver Cup, etc.

"Use of lightweight aluminum makes it a natural for cruisers. You'll have power to bring a big boat up to planing position." —FRED ALTER, winner of Detroit Memorial, Governor's Cup, International Cup, etc.

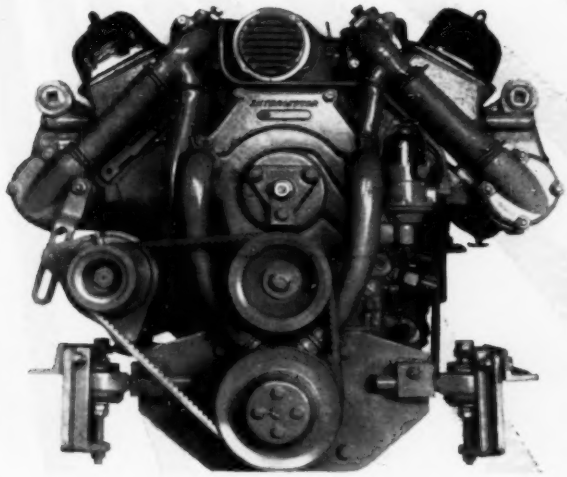
BOOTH B-21 AT THE SHOW

NEW "361" FEATURES

- 361 cu. in., Y-block, over square.
- Lightweight (870 lbs.) Maximum use of durable, lightweight aluminum.
- Full-flow, 4-barrel carburetion. Two independent float systems, unaffected by engine angle, sharp turns. Automatic two-stage auxiliary throttle.
- Two oil coolers; one for engine, one for transmission. Adjustable for local ambient water conditions.
- Micro-adjusting mounts.
- Crankshaft balancer.
- Approved flame arrestor.
- Waterproof safety switch.
- Heavy-duty transmission, hydraulically operated.
- Exhaust and outlet risers standard equipment.
- Full-length, full-circle water jackets.
- Self-priming dual water pump.
- 12-volt, water-resistant ignition.

ANNOUNCING NEW 1959 INTERCEPTORS

256 Cu. In. 272 Cu. In. 292 Cu. In. 312 Cu. In.



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Precision fuel induction, with expressway intake manifold and machined combustion chambers, combined with the twin carburetors—one for starting and low speeds, the other for high speeds—gives special low-speed control for trolling and great economy.

All new rubber-cushioned, micro-adjusting, rebound-controlled engine mounts dampen vibration and engine noises.

High-velocity, high-capacity, full-length, full-circle Series-Flow cooling, fed by a dual self-priming, positive displacement water pump, keeps the engine cool and quiet, eliminates steam pockets and hot spots. Thermostats are located at front of engine for accurate readings of hottest temperatures! Modern, positive, quick-acting hydraulic transmission provides the kind of controls boat owners have wanted for years. Heavy-duty transmission and reduction gears are available.

Positive full-pressure lubrication, micronic oil filter and short oil passages to all important components, with special oil level safety feature, mean longer engine life, smoother, quieter operation. All normal service is easily accessible from top side. For more boating fun go modern —go Interceptor!

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Colorful commercial fishing boats create a continually picturesque background for pleasure boating along Gulf shorelines edged with trees wearing Spanish moss.

Long Beach, Gulfport and Biloxi to Pascagoula in the east.

While much of the boating activity is devoted to fishing, the Mississippi Gulf Coast is a place where all types of boating are popular. For instance, Pascagoula is the home of the famous Ingall Shipbuilding Yards. Today this firm is building atomic powered submarines on Pascagoula Bay, where the submarine was born during the war between the states. This craft, the S. S. Huntley, went to the bottom with its crew when it valiantly rammed a Union gunboat, blowing both to bits.

In the realm of pleasure boating, the area is also the home of southern yachting. The Pass Christian Yacht Club is the oldest in the region, according to Mrs. Elena Fitzpatrick, Chamber of Commerce manager. The club owns a fleet of Fish class boats and has a busy summer program. Much of the social life of "The Pass" is centered around the Yacht Club. The little city also has the Pass Christian Outboard Fisherman's Club, with many privately owned craft. The members sponsor a tarpon rodeo which runs during the entire month of August.

Major event of the Gulf Coast area, however, is the Shrimp Festival. This spectacular affair is generally credited to Biloxi, but the entire sand beach and Back Bay area takes part in its successful organization.

The Shrimp Festival is held in early June each year, and the blessing of the Fleet is its solemn high point. Fishermen come in from waters beyond the chain of islands, such as Horn, Ship, Cat and Chandeleur, to participate. The rites consist of two parts: the blessing of the Fishing Boats, taken from the Ritual of Blessings of the Catholic Church; then each individual boat is blessed as it passes in procession through the waters of the Biloxi Back Bay. Another high spot in the festival is the crowning of one of the most beautiful girls of the Gulf area as Queen.

Waters of the Gulf furnish every day fishing for trout, red fish, flounder, and even the fighting tarpon and bill fish. The back waters, however, receive play from individual fishermen. Here boats by the hundreds are docked the year-around by boatmen who like to use the rod and reel, or others who just want to play, sail, and cruise.

Mississippi brags about its bass. Plenty of eight pounders

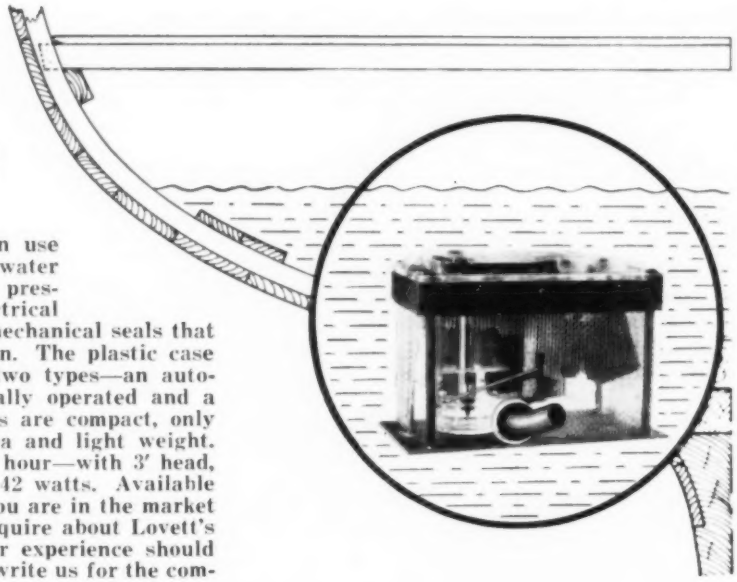
GULF COAST continued on page 88

SUBMERGED — *or not,*

Lovett BILGE PUMPS PERFORM!

EXCLUSIVE AIR LOCK SEAL . . .

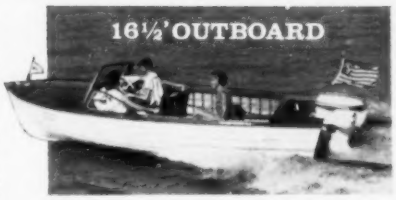
is the feature responsible for Lovett's dependable operation and popularity



Only the Lovett Bilge Pump can use their patented air lock to seal out water when operating submerged. The pressure of the trapped air keeps electrical parts dry. All other pumps use mechanical seals that are subject to wear and corrosion. The plastic case prevents electrolysis. Made in two types—an automatic model that may be manually operated and a strictly manual model. The units are compact, only 5⅝" high, with large screen area and light weight. Ample capacity—550 gallons per hour—with 3' head, yet current consumption is only 42 watts. Available in all popular D.C. voltages. If you are in the market for a bilge pump, it is wise to inquire about Lovett's from our users or dealers. Their experience should convince you. See your dealer or write us for the complete story.

***made by* LONGPORT MARINE CO. LONGPORT, N. J.**

Here's America's Finest Fleet!



CLINKER-BUILT LYMANS for '59

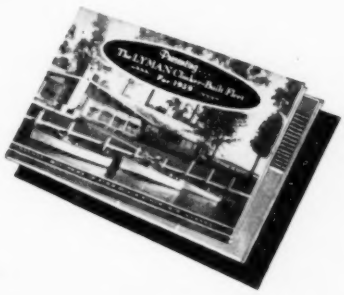
Before you decide what boat to buy, be sure to look at the 1959 Lyman fleet of inboards and outboards . . . which now includes the big, beamy, all-new 17' Outboard and the 23' Inboard optional model with two bunks called the "Sleeper."

All Lyman models are Clinker-built for exceptional performance—for smooth, comfortable, dry riding. There are cheaper, easier ways to build boats than by Lyman Clinker construction. There is no better, safer, more sensible way.

Lyman boats are famous for lasting beauty of design. They look the way boats ought to look! Outstanding, too, for perfection of detail, for durability and economy.

The quality, smart appearance and superior craftsmanship—so apparent in every Lyman model—are yours at remarkably moderate cost.

Write now for the new, colorful, fully-descriptive free Lyman folder showing the complete line of inboards and outboards for '59 . . . and the name of your nearest Lyman dealer.



Lyman BOAT WORKS, INC.
1627 FIRST ST. SANDUSKY, OHIO

Sailboats race off the sheltered small craft harbor at Gulfport, out from the yacht club pier.

have been landed. Chambers of Commerce of the area will gladly furnish the visitor with an angler's map of the back water boating area. Average temperature here is 67.2°, which affords ideal weather for long fishing hours.

Largest striped bass recorded for the area is 34 pounds, with the best fishing usually in spring or fall months. Bream, crappie and goggle eye run about average size, with fish biting 12 months of the year. Tarpon season is from May 1 to October, with the record catch topping the scales at 185 pounds.

Fighting tarpon such as this, weighing up to 185 lbs., battle sports fishermen from May to October.

Flounder are taken from April to October, with the largest running about 20 pounds. Spanish and king mackerel hit best during the summer months; the largest king reported went to 34 pounds. Ling are also good for the summer months. The largest ling weighed in reached 92 pounds.

A resident fishing license sells for $4.25 for all game and fishing. The non-resident fishing license is $6.25, and there is a special non-resident tourist permit good for three days, for $1.25. For those who want party fishing boats, there are several with reasonable daily charges, operating from most of the docks. There are also excursion boats, plying between the mainland and the islands, making round trips daily.

Because of the many islands in the Gulf, there is almost unlimited fishing close enough to shore to provide ample boat safety in the event of squalls. Also, there are launching ramps at each town. Quite a few of them are either owned or under the direction of the Chamber of Commerce.

The Keesler Air Force Base juts down against the Back Bay and several clubs have been formed to provide boating facilities for the airmen. Waters here extend from the open bay at Biloxi for miles up to the main waters of Tchoutiabouffa Channel, the Biloxi river, Fritz Creek and many other tributaries.

On the western side of the state and only a short distance from the coast are such favorite fresh water fishing spots as Three Oaks Bayou, Bayou Pistaches, Bayou Cadet, Bay Philip, Bayou Dacrix and the Jordan river. Eastward are Visco Lake, Rotten Bayou, Bayou DeLisle, Wolf River, Arcadia Bayou, Bayou Portage, Bayou Johnson, Turkey Creek, Bayou Bernard, Fort Bayou, Davis and Graveline Bayou. There are numerous, well-equipped camps on each of these where you can launch your own boat, or get rentals.

Southern Mississippi affords beautiful waters for its fishing. The lake and stream shores are lined with seasonal flowers in profusion. Huge magnolias with their milk-white blossoms add charm to the area during the summer months, while long strands of moss follow the breeze from the tops of oak trees that are ageless.

In the bay waters there are many scenic points of interest, too. Every island offshore has some historic legends, aside from being good for fishing. Directly south of St. Louis Bay, Al Capone took part in a running gun fight during prohibition days. The same waters are also fine for tonging oysters, and one of the most prolific oyster beds in this country is found here. Between the mainland and Isle au Pitre, on December 13, 1814, the American and British gunboats went into action, delaying the siege of New Orleans and leading to the British defeat.

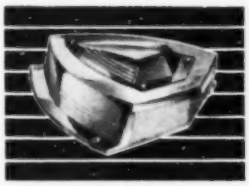
Cat Island lies between this area and the deep water channel which runs into Gulfport. Around this island, where police dogs were trained during World War II, is found some of the best ling fishing in the Gulf.

Much of the early history of the area is alive today. For instance, there is the old Biloxi lighthouse between two bustling lanes of traffic on U. S. 90. Thousands of cars speed by it daily. Some motorists see the lighthouse and stop; others pass it by without so much as a nod. At night it is illuminated by electricity, a convenience unknown in 1848 when it was erected. This lighthouse was tended by one family for 63 years.

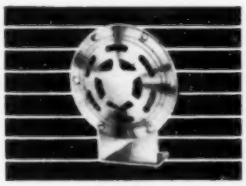
The Gulf Coast area is organized to take care of its tourists, especially those who go there during the winter season—from December through May. The Gulfport Tourist Club, for example, has a regular meeting at the Chamber of Commerce building, where a paid hostess is on duty every afternoon to give information to boating visitors. Here is a region where the skipper escaping the frosty north can find warm waterways and hospitality.

—L. A. Wilke

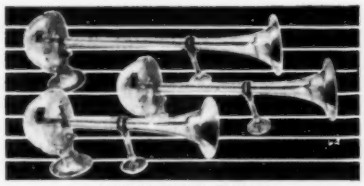
the only complete line of marine warning devices and safety signals



MIDSHIPMAN
Smart, sleek modern designed horn for deck or roof mounting.

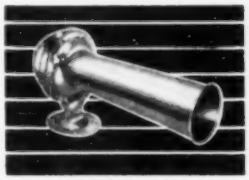


ENSIGN
The economy horn for inboards and runabouts. Electric powered — always works.

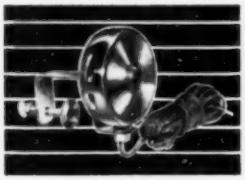


SILVER ECHO GROUP
Mate — Commodore — Commander
Many pleasing tone combinations for individual, dual or group hookup in 6-12-32 volts

NAVIGATOR
World's first combination marine horn, navigation light and pennant mast.



HARBORMASTER
designed for commercial craft — deep, full throated Marine Horn.



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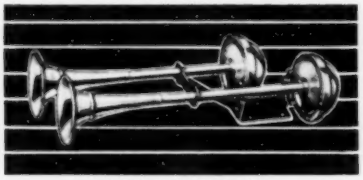
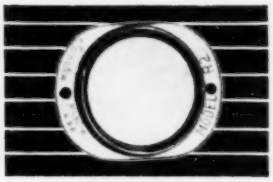
For safe overland boat transportation.



TORNADO TWINS
World famous — most popular dual marine horn ever made.



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For boat transom or trailer. Meets requirements of every state.

SPARTON HORNS *are heard around the world*

The Sparton line for 1959 is the most complete group of marine warning signals and safety devices offered in over 50 years. Every item is designed and manufactured in the Sparton Marine tradition, using the finest materials and fabrication methods to insure positive operation and complete safety under U.S.C.G. class regulations. Their beauty speaks for itself.

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Calling all boating enthusiasts. Listed below is a wealth of material on boating, fishing and water sports, all of which is available to you FREE OF CHARGE. Simply send us the coupon at the bottom of this page, circling the key number indicating your choice of booklets, and we will do the rest. Mail your request to: POPULAR BOATING, Box 628, Church St. Station, New York 8, N. Y.

BOOKLETS

RULES & REGS. for boats carrying passengers. U.S. Coast Guard (193)

RULES & REGS. for numbering boats. U.S. Coast Guard (194)

LEGAL REQUIREMENTS, for boats, with safety advice. U.S. Coast Guard (196)

RULES OF THE ROAD, U. S. Coast Guard (199)

PILOT RULES, Great Lakes, U.S. Coast Guard (200)

OUTBOARD BOATING SKILLS, a practical how-to-do-it book. Evinrude Motors (176)

HOW TO ORGANIZE FOR MORE FUN AFLOAT, a handbook for club administration. Outboard Boating Club of America (181)

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ROPE KNOWLEDGE FOR RIGGERS, a valuable handbook on rope. Columbian Rope Co. (253)

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MORE FUN ON THE WATER. A 16-page booklet designed to help the boatman increase safe boating enjoyment. National Association of Engine and boat Manufacturers, Inc. (272)

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YOU CAN REMOVE GUM DEPOSITS FROM YOUR GAS TANK. A full discussion of the problems caused by gum deposits in carburetors, gas lines and tanks and how to deal with them. Gulf Oil Corp. (67)

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MAINTENANCE MANUAL for *Safti-Craft* Steel Cruisers, an illustrated booklet on the construction of a well-known steel boat and instructions for maintenance. Safti-Craft (295)

"HOW TO COVER YOUR BOAT WITH FIBER GLASS," 1959 edition of a well known booklet. Neehi Protective Coatings, Inc. (299)

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Films are available to clubs from independent companies and distributors. Requests should be made one or more months in advance of the date desired. POPULAR BOATING forwards all requests immediately but cannot guarantee availability of films.

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FREE AIDS FOR BETTER BOATING

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Please encircle the key number of each booklet you wish to receive.
Numbers followed by "F" are films available on loan to clubs.

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200	205	234	235	250	252	253	256	263	265	272	273	274
275	276	284	287	289	290	291	292	293	295	298	299	

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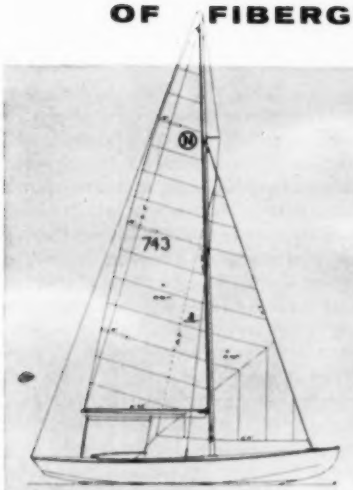
Name (Please Print) .....

Address .....

City ..... Zone ..... State .....

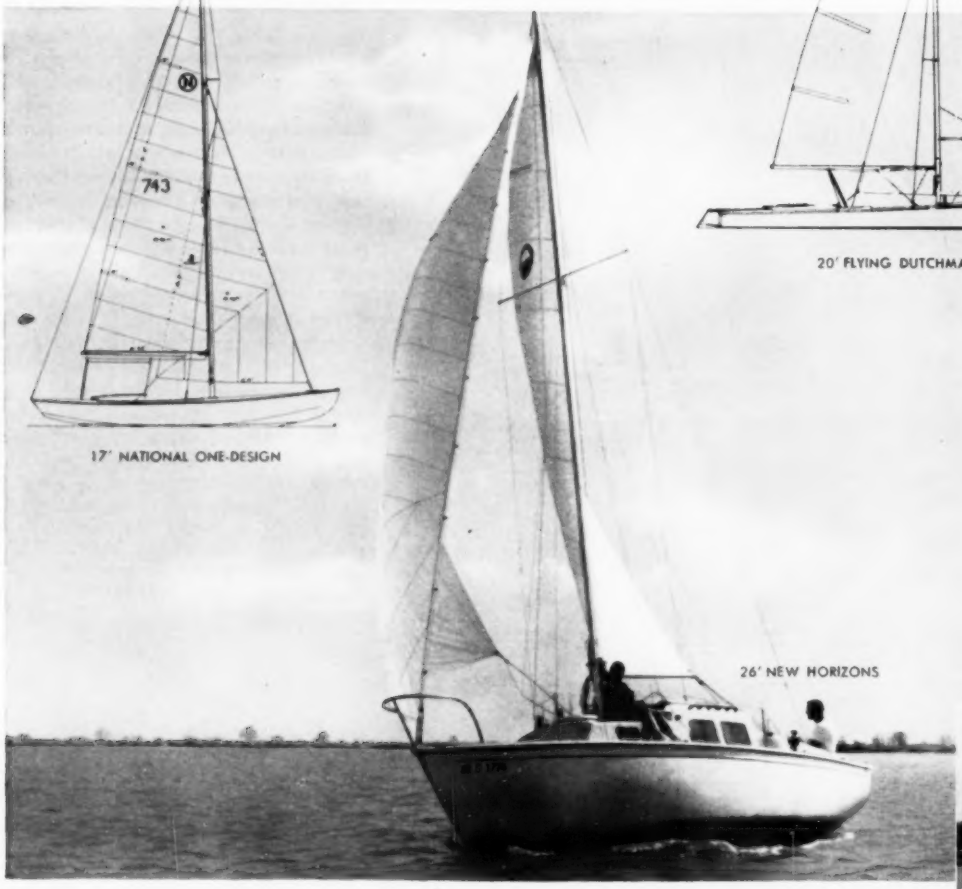
Do you own a boat? ..... Type ..... Length ..... Engine .....

AMERICA'S MOST *Complete Line* OF FIBERGLASS SAILBOATS



17' NATIONAL ONE-DESIGN

20' FLYING DUTCHMAN



26' NEW HORIZONS

10' VIXEN

a fleet of lively performers to answer every sailor's dream

What's your choice . . . a swift racer . . . a pleasure craft for week-end cruising . . . a family boat for racing and day sailing? It's here . . . in superb designs that will thrill every sailor, young or old. Built into each one . . . the rugged safety and carefree fun of fiberglass. No caulking, no sanding, no painting . . . you'll spend those hours afloat! So take your choice . . . answer the call of that freshening breeze.

16' REBEL

12' NIPPER (plywood)

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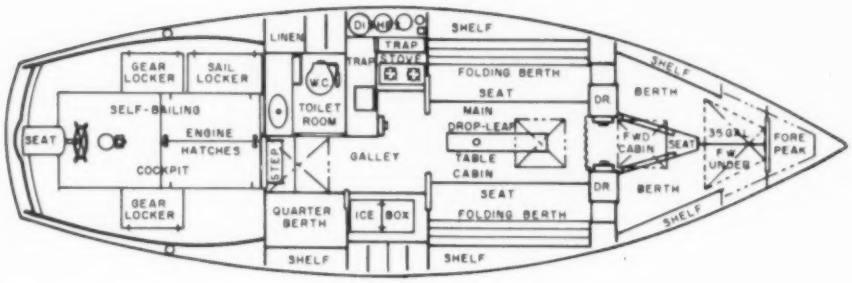
Boats of the Month

THE NEW "FAMILY CRUISER"

Designed by Cyrus Hamlin, of Manset, Maine, the Family Cruiser is a wholesome, roomy, light displacement auxiliary which will be of particular interest to the yachtsman who cruises with the family aboard. There is plenty of room in the cockpit for lounging, and the high coamings will keep the children from tumbling overboard. Large trunk cabin windows create light and airy living quarters. Construction is unusual, with waterproof marine plywood bulkheads, deck, and topsides, and a glued-strip bottom planking. Framing is of mahogany and spruce with white oak and Douglas Fir keel assembly. The new craft has a hollow aluminum mast made by Pfaff & Kendall of Newark, New Jersey. She is amply provided with winches for ease in handling sail with short crew. The Family Cruiser can be equipped with either a 25 or 65 HP Universal Aqua-Pak which transmits power to the shaft through a Vee drive. Sails are Dacron, and rigging is stainless steel. The designer has planned the boat to sell between $18,000 and $21,000, depending on the choice of builder and finish.

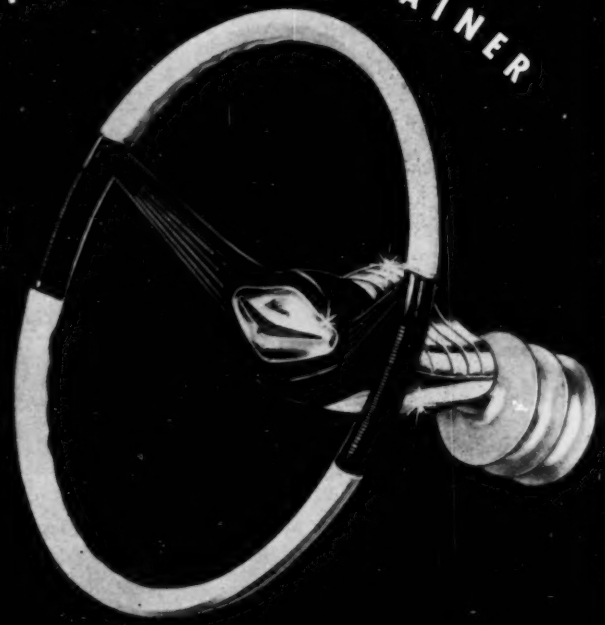


Length Overall 33' 8½"	Draft (CB up) 3' 3"
Waterline Length 27' 1"	Displacement 7700 lbs.
Beam 10' 8"	Ballast (outside) 2100 lbs.
Sail Area 481 Sq. Ft.	Power: Universal

THIS new boat is said to be stiff and handy in strong breezes and cruises at six to seven knots under power. Her club-footed stay'sl makes for easy single handed tacking. The centerboard well is tucked up under the saloon table to keep it from interfering with leg room. Sleeping accommodations are provided for five persons on extra-wide, full-length foam rubber berths in three separate compartments. The cockpit is self-bailing, and large lockers under the seats provide ample space for stowage of extra sails and gear. An innovation is the forward well-type cockpit, which provides secure-footing for handling headsails or anchor rods in foul weather. Galley fittings are stainless steel and a top-opening ice box stores 200 lbs. for extended cruising.

NEW Seagull

MARINE FITTINGS FROM KAINER



MODEL #950

Deluxe STEERING WHEEL

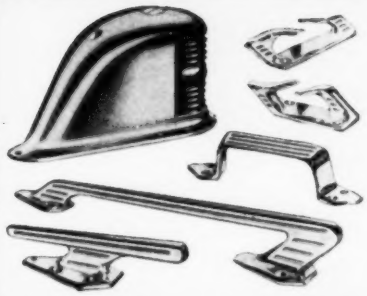
Advanced styling to compliment the world's most beautiful outboard boats. Hard rubber wheel with gleaming chrome plated housing. Wheel diameter – 15", drum diameter – 2½".

Available in duotone colors of ruby red and ivory or charcoal and ivory as well as monotone colors of red, ivory, black, holiday bronze, blue or green. Model 952 – vertical mount. Model 950 – 20 degree mount.

MODEL #926
BOW LIGHT

Gleaming chrome finish Bow Light available with Model #708 Flagstaff. Can be purchased with or without Flagstaff.

MODEL #6001
STERN LIGHT



Nearly one-half century of pride in craftsmanship is evident in every piece of Seagull Hardware by KAINER . . . evident in quality – evident in beauty! Perhaps our fetish for manufacturing only products with "full measure" quality at popular prices is why you'll find KAINER Marine Fittings on the world's most popular lines of boats – in quality conscious marine dealer showrooms from coast-to-coast.

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FINISH-IT-YOURSELF STEEL CRUISER

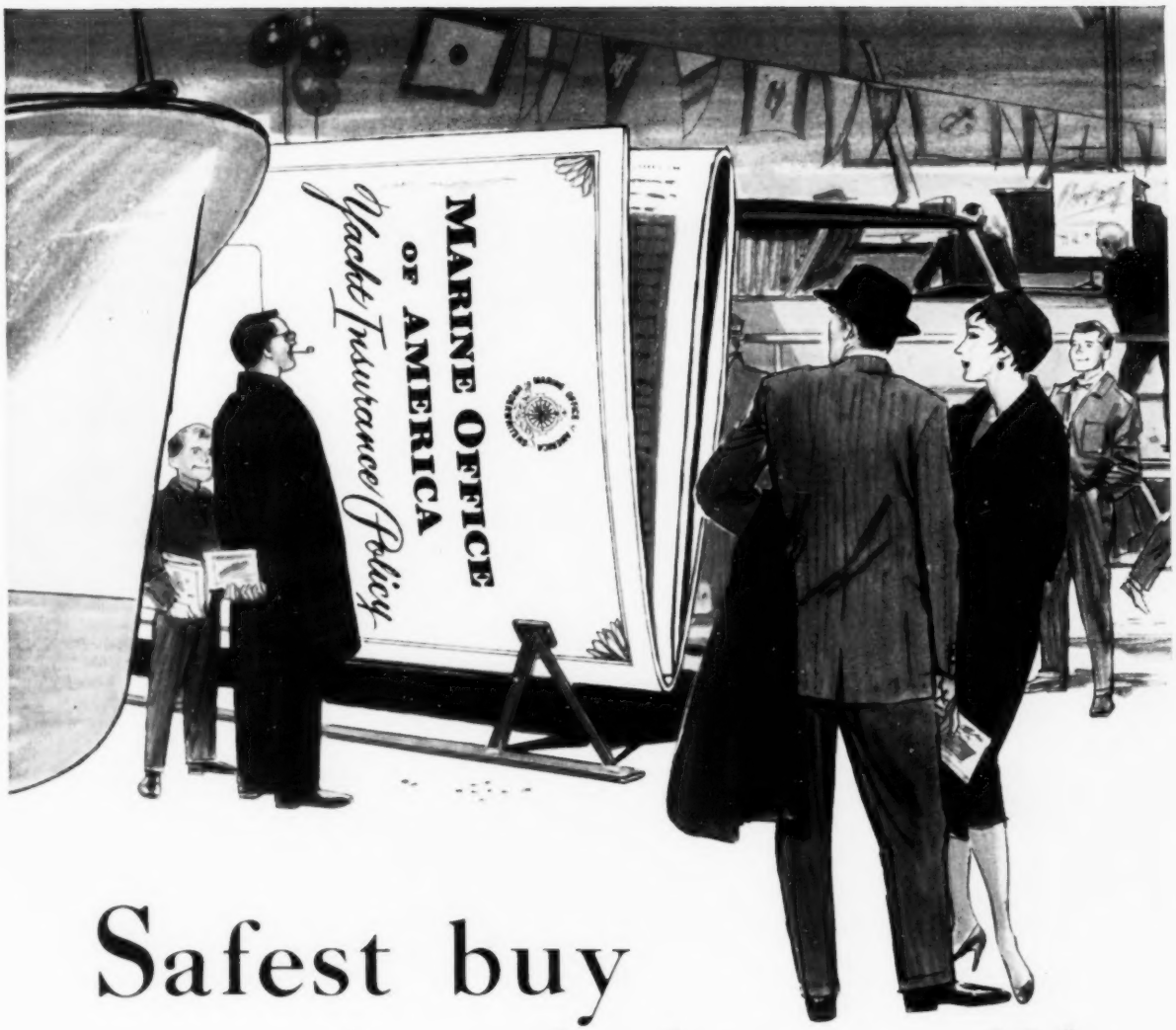
ALUMINUM FAMILY CRUISER

THE 26' STEEL CRUISER, above, was designed by John B. Clark for the Douglas Scott Development Corp., 3932 West 150th St., Cleveland, Ohio, and is available in three different stages of completion. Makers claim that savings of up to 60% can be realized by finishing off the boat at home. Descriptive brochure is available from the builders. The 28' Marinette, at right, is a welded aluminum alloy house cruiser designed for maximum living space for her hull size. Available for inboard or outboard power from Marine Div., Falls City Flying Service, Louisville, Kentucky.

ATLAS FIBERGLASS RUNABOUT

A FIFTEEN FOOT all fiberglass runabout which makes a good water ski tow boat is the Atlas, built by the Americraft Corporation of 5106 Grand Avenue, Chicago, Illinois. Strength features include glassed-in wood longitudinal stringers and rigid double bottom. Transom is reinforced for large motors.

BOATS continued on page 96



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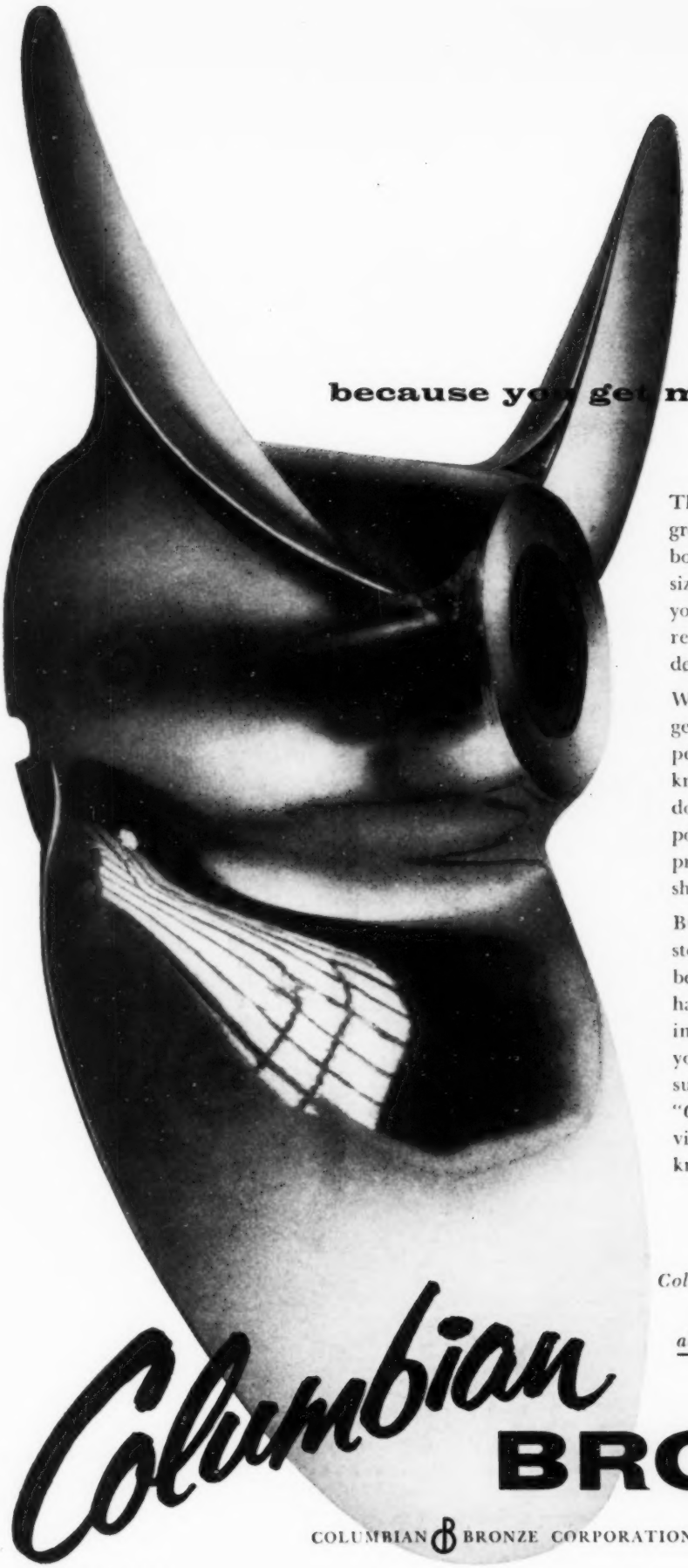
VERSATILITY OF FIBERGLASS

FIBERGLASS boat construction has come into its own in the last five years. New techniques of lay-up and curing have been developed which promise even greater strength and durability for future designs. An example of extremes in the size of popular craft fabricated with this material is the 13 foot Sailfish and Fred Lorenzen's Block Island 40 ocean-racer, formerly known as the Vitesse class. Christened "Seal," she is the winner of the Edlu Trophy, and placed sixth in the 1958 Bermuda Race. The fiberglass Sailfish was introduced by Alcort, Inc., of Waterbury, Conn., this year. The cruising-racing yawl is molded by American Boatbuilding, East Greenwich, R. I.

DUAL PURPOSE FAMILY BOAT

AN ALL-AROUND family boat that can do just about anything in the day sailing repertoire is the 18'6" Ski-Breeze, by Scandia Marine, Box 41, Kungälv, Sweden, above. The little craft is a sloop-rigged sailboat with demountable mast and rigging that converts to a fast, able outboard utility runabout. Deck and hull are constructed of polyester reinforced fiberglass by the hand lay-up system. Motor can be left mounted while sailing, as steering is accomplished by dual rudders. Mast and boom are aluminum. Self bailing motor well and windshield are standard equipment. Price is $1,985, less sails. Ski-Breeze will be distributed in this country by Norge Boats, of Stamford, Connecticut.

BOATS continued on page 98



because you get more speed...

The propeller on your outboard is the greatest single factor in the speed of your boat. Changing it for one of different size, pitch or blade complement can give you *3 to 6 mph additional speed.* The reason is simple. It's been custom-designed to do one specific job.

When you buy an outboard motor, it generally comes equipped with a propeller. But the manufacturer doesn't know what kind of boat you own. Nor does he know if you want speed, pulling power or fuel economy. So he supplies a prop which gives a little of each . . . in short, a compromise.

But with Columbian, it's a different story. Propellers are our business. We've been building them for sixty years and have learned how design and metallurgy influence performance. Why not see your Columbian dealer today? He'll suggest the right Columbian Bronze *"Customized"* Propeller for *your* individual boat, motor and use. If you don't know his name, drop us a postcard.

Columbian makes a full line of outboard propellers — in both aluminum and bronze.

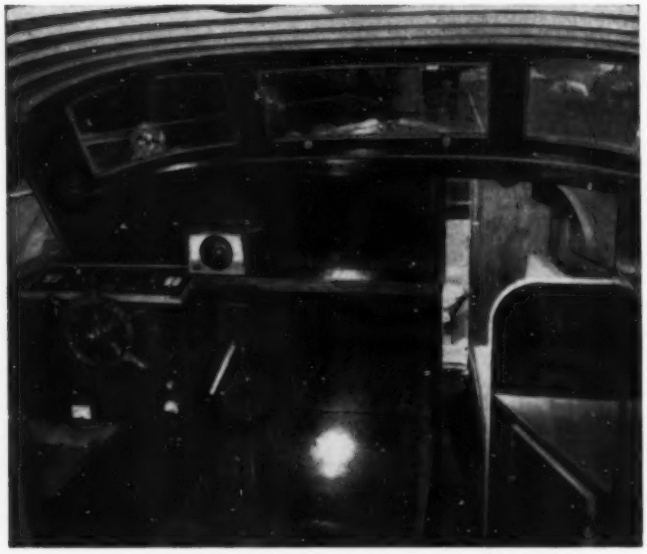
Columbian BRONZE

COLUMBIAN BRONZE CORPORATION • FREEPORT, L. I., N. Y.

Boats of the Month ...

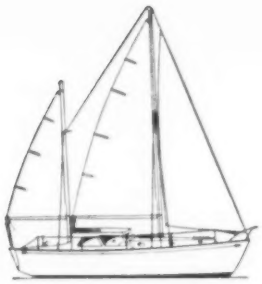
FIFTY-FIFTY "32"

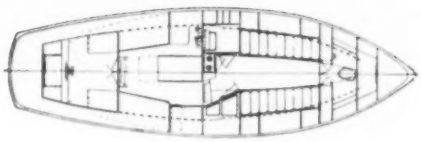
Under working sail "Trekkfugl" moves along gracefully. Her owner reports speeds to 10 mph with a direct drive 50 HP Universal Super-Four. Her dimensions are 32'3" overall, 26' l.w.l., 10' beam and 3'8" draft. Displacement is 12,000 lbs., ballast 3000 lbs. Sitka Spruce masts are stayed with stainless rigging.



Dual stations permit steering from the cockpit or the doghouse in bad weather. Intake and exhaust blowers keep the engine compartment free of fumes. Cabin fittings include wardrobes, liquor cabinets, 150 lb. capacity stainless icebox, and tankage for 50 gals. fuel and 50 gals. of fresh water. Building plans are available from the designer.

ALTHOUGH only 32' overall, the "Fifty-Fifty" motor sailer, packs almost luxury-yacht living space into her accommodation plan. "Trekkfugl," which means "Traveling Bird," was designed by Nils Lucander for Mr. R .W. Covert of Washington, Michigan, and is the first of her line of stock boats to be offered by International Yacht Sales, 604 Kerr Building, Detroit, Michigan. The ketch flies the burgee of the Detroit Yacht Club and will take part in the next Mackinac Race. The "Fifty-Fifty" has been designed for maximum versatility and is available either ketch or cutter rigged, with after cockpit as shown, or with an after cabin and center cockpit. Her hull may be chosen from 1" mahogany carvel planking, 1" strip planking, or ½" strip with fiberglass inside and out. Fastenings, lumber, rigging and workmanship are in accordance with the best modern boat-building practice. The new motor sailer provides berths for six persons, stainless galley, enclosed toilet and a full 6'3" of headroom.





The basic design of the "Fifty-Fifty" 32, allows the owner to choose the sail plan and accommodations which best suit his needs. The ketch rigged version, at left, is popular with many cruising men. Cutter rig, right, is an alternate choice.

$3.49 PLANE-'R-FILE FREE

It's **FREE!**

Now hear this! When you buy any of the power tools in this ad, Millers Falls will send you a *free* Plane-'R-File worth $3.49! Every boat owner needs this combination plane and file. With a reversible handle, it planes, shapes and smooths everything from soft pine to tough steel. Blade is replaceable, and double-sided for double life. Later, on your own, you can add one of the amazing new "tungsten carbide" blades for sanding, removing paint and smoothing burrs in brass or bronze. *Lifetime abrasive!*

Just mail your sales slip and guarantee card for any of these tools with the coupon below and we'll send your *free* Plane-'R-File! Better hurry . . . offer expires March 15, 1959.

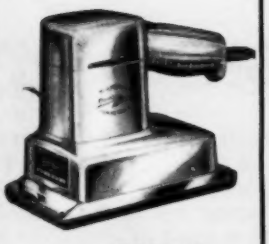
TIPS FOR SKIPPERS

"888" POWER UNIT
— drives a workshop.

Makes boat building or repairing fast and easy. It drives a complete 16-tool power workshop costing far less than individually powered tools. Plenty of power and speed: 1/3 h.p., 4.0 amp., 3200 rpm. Completely equipped as 3/8" drill, 6" disc sander, 6" polisher. **$39.95**

DRIVER-DRILL
— the one and only

Ideal tool for anyone who works on boats. As a power screwdriver, it does both heavy and delicate work. Geared down to 275 rpm for high torque and easy control. Quickly converts to a powerful 3/8" drill. Chuck fits all 1/4" hex shanks. **$39.95**



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— for a finer finish

12 times faster than hand sanding and gets that "mirror" finish on topsides and bottom. Perfect for bright-work, too, because it leaves no marks and gets into corners. **$39.95**

JIG SAW
— fastest in its field

It's six saws in one: jig saw, hacksaw, coping saw, ripsaw, crosscut and keyhole saw. Cuts straight lines, curves or combinations easier and faster than any other similar saw. Cuts its own starting hole and gets into tight places. Top-quality blade. **$39.95**

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Please send me my *free* Plane-'R-File. Sales slip and guarantee card enclosed.

Your Name_____

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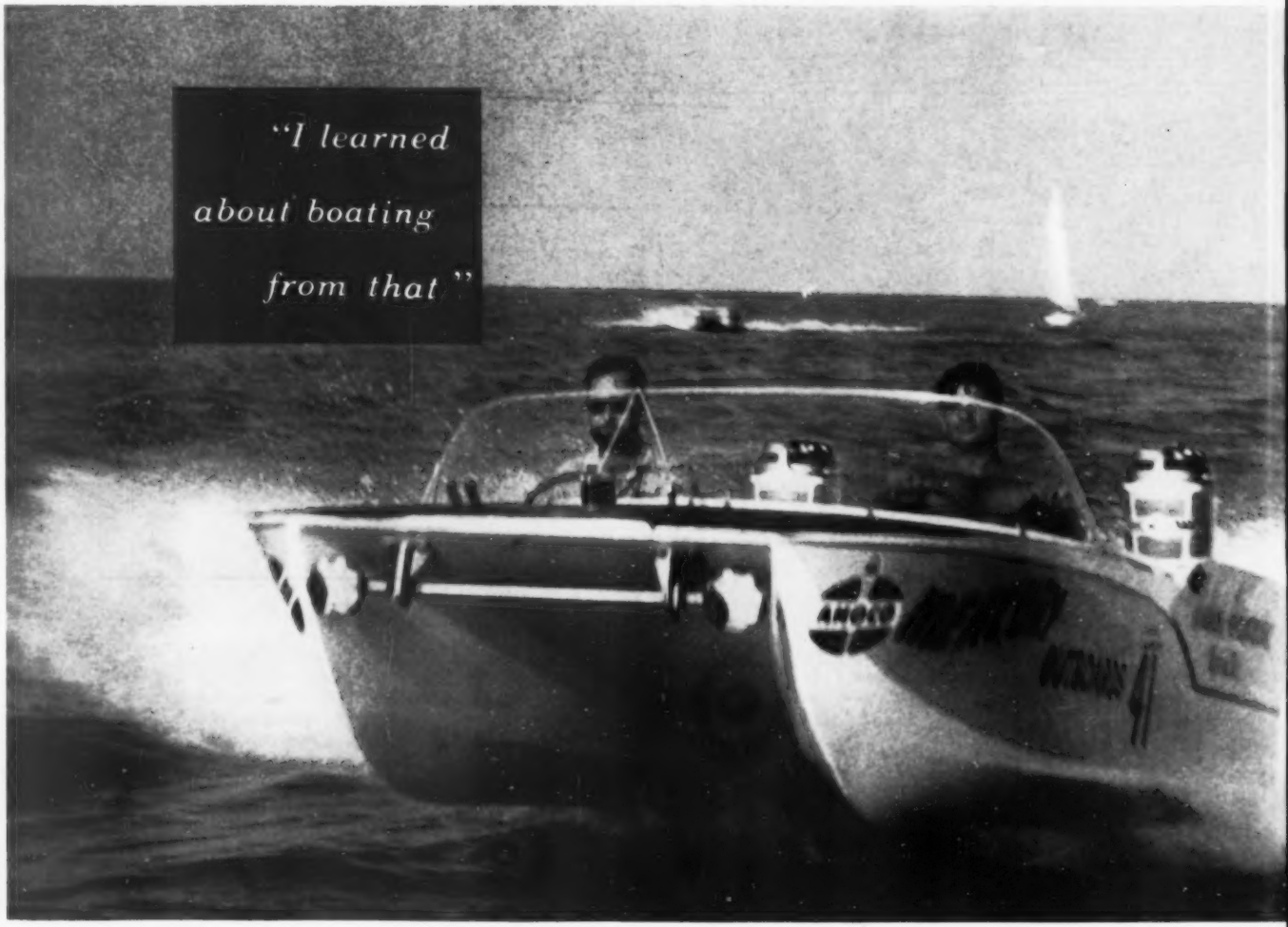


Jim Wynne, left, and Dick Spelman, behind dual wheels, move out at full throttle early in the race. Note headlights rigged under foredeck that enabled pair to spot logs in river at night.

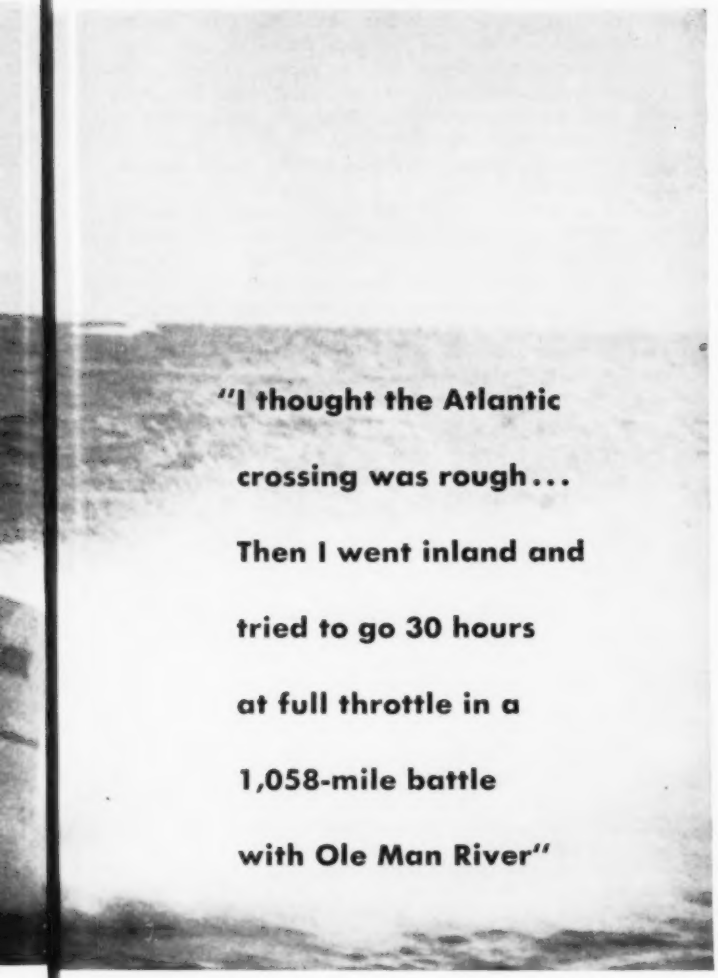
MISSISSIPPI MARATHON

MANY YEARS ago a steamboat named the Robert E. Lee engraved its name in the pages of history books by puffing up the Mississippi River from New Orleans to St. Louis faster than anyone then dreamed possible. On Labor Day weekend, 1958, a group of outboard-powered boats started out from New Orleans to cover this same 1068 miles in an all-out race to St. Louis.

The captain of the Robert E. Lee must have been rolling in his grave to see what manner of boats were challenging his river—most were 16 foot family-type runabouts powered by twin outboard motors totaling up to 140 horsepower. But everyone, including the present day river pilots, were amazed when the first of these boats streaked into St. Louis just 29 hours and 29 minutes after leaving New Orleans, averaging better than 36 mph including eight stops at official fueling and check points. Of the 28 boats which left New Orleans, 12 arrived at the finish line; the remainder were casualties along the way—victims of the huge trees, debris and logs floating down the river, often unseen at night; of the countless unmarked sandbars hidden beneath the swirling brown water and of the brutal hour after hour pounding with throttles jammed wide open. Fatigue, too, took its toll; fatigue not only of equipment but of men. And therein lies the story behind the story of the race.

Dick Spelman and I were driving entry number 41, a 16 foot Power-Cat boat powered with a pair of 70 horsepower Mercury motors. The entry was sponsored by Culver Aeromarine Company of Dayton, Ohio, and my old friends Merlyn Culver and his son, Jon, had carefully prepared the outfit with all the benefit of their many years of racing experience. Much thought went into every detail of the boat and its equipment; special fuel tanks with oversize funnel for rapid filling, high-intensity aircraft sealed-beam headlights and spotlights, a pair of comfortable automobile bucket seats, spare propellers, etc. Emergency equipment was included; first aid kit, flares, bilge pump, anchor, food and water—in fact every contingency which could possibly be thought of in advance was provided for. We were to be thankful for this painstaking preparation many times during that 1068 miles. I had thought my previous Atlantic crossing by outboard was rugged, but I was to find I had more to learn from inland boating!

Neither Dick nor I had driven a catamaran-type boat before the race. We had a day to test the boat in New Orleans and were pleasantly surprised at the smooth, comfortable ride and the exhilarating performance. We had wondered how this type of boat would turn at better than 45 mph but didn't experiment much to find out; one doesn't try these things too hard the day before a race. Besides, we reasoned that it was a mostly-straight run up the river with no high-speed turns required. Little did we know how



By Jim Wynne

the cat's turning ability was to be tested before we reached St. Louis.

The race was scheduled to start at 3:00 p.m. on Saturday. We were in bed early Friday night, at least by New Orleans standards, and up at 6:00 Saturday morning to get the boat in the water, attend a driver's meeting and take care of the dozen or two final details that a supposedly "race ready" boat always requires at the last minute. At 3:00 p.m. we were waiting, together with 27 other entries, to get through the locks from Lake Pontchartrain, where the boats were launched, into the Mississippi, a distance of about 20 miles. The sun beat down and as we waited for a towboat to clear the locks from the other direction, Dick remarked that he felt he had already been through a fair-sized boat race. I agreed. Finally, we reached the Mississippi and ran slowly up to the starting line at the foot of Canal Street.

We topped off the fuel tanks and at 5:25 p.m. the flag dropped. I shoved the throttles wide open, and we were off. Dick picked up the book of charts we had mounted on a piece of plywood and settled down to check off the markers on shore as we passed each one. We'd been told that it was important to keep track of each marker—they have numbers which would locate our position, but at full speed in a bouncing boat it's a bit hard to read them and

MARATHON continued on next page

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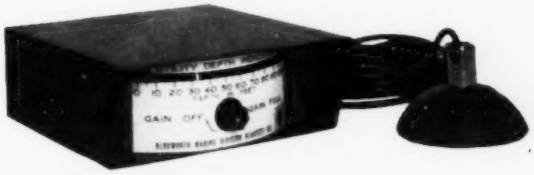

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SELF-CONTAINED, fully portable, 8" x 9" x 3" high, weighs only 6½ lbs. with transducer, for keel or outboard mounting. Range; 3' to 100', accuracy ± 2%. Direct reading even in sunlight. Fiber glass case, flashlight battery powered.

$110 *complete. Trunnion mount $9.50 extra.*

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we didn't plan on slowing down. As the channel weaves from one side of the river to the other continuously, it is essential to know position at all times. If you zig when you should have zagged—presto; sandbar! Dick would call out directions to me—"Close to right bank here"; "Ease over to the left bank now." By the end of the race we were both so hoarse we could hardly talk. As the darkness descended upon the river, the boats, which had all hit the starting line in a bunch, began to spread out.

With the darkness now total and only the dim outline of the trees along the edge to show where the banks were, I flipped on the navigation lights and the head lights and adjusted the angle of the lights to reach out a maximum distance into the black void ahead. As expected, I found that it was necessary to look over the windshield rather than through it for best visibility and silently thanked Messrs. Culver for positioning the driver's seat so this was possible and fairly comfortable. Dick was spotting markers with the hand spotlight and still calling out directions; two hours out of New Orleans and everything was going fine. We had rigged heavy rubber bands to hold the throttles full forward; this removed from the driver the strain of holding them open yet they could be pulled back quickly in an emergency. They had not been moved since the starting line and the engines were singing beautifully; Baton Rouge, the first check and fueling stop was less than an hour away, and suddenly in the headlights fifty feet ahead was one of those great big floating trees. In the split instant as I grabbed for the throttles—no time to turn—I could see the jagged roots sticking out from the bottom of the trunk. Just as my fingers touched the throttles we hit it. The cat took off like going over a ski jump, the motors hit with a bone-jarring crunch, flew up and came down and we were over it. I never had gotten the throttles back and there seemed no immediately need to do so now so as Dick unwrapped his fingers from the aluminum grab handles, thoughtfully provided for just such occasions, we continued on our way. But not quite so rapidly as before; the tachometers told the story—the starboard engine was down 400 rpm; the port, 600 rpm. "Props are bent," observed Dick unnecessarily. Finally the lights of Baton Rouge appeared and we limped into the first pit stop, where we changed props.

And so it went through the night; staring out into the yellow beam of the headlights for any tell-tale sign, dodging the drift, the navigator spotting markers, studying the charts and giving directions. Many times we smashed into unseen pieces of water-logged wood and once stopped to change a damaged propeller which was crumpled just after leaving a pit stop, with three hours to go to the next one. At each stop through the long night Jon was waiting with new propellers, coffee, food, fuel and encouragement. And slowly we worked up in position and others dropped out; "8th place and 24 minutes behind the lead boat," "6th place and 18 minutes," and as a beautiful dawn broke and we pulled into Greenville, Mississippi, the ubiquitous Jon called out while passing gas cans, "4th and 15 minutes." Roaring out of Greenville, we passed one of the four, dead in the water. "Third," shouted Dick hoarsely and I grunted, "It's a long way to St. Louie."

All through that Sunday morning the boats held about the same positions; we picked up to within 10 minutes of the leader and there we seemed destined to stay.

Somehow we got through that long, hot September afternoon and the three boats, only minutes apart, inched their way up the blue channel line on the charts. Just before dark we checked in at Cairo, Ill., where the Ohio River meets the Mississippi, and went through the now instinctive motions: toss the canteens out for filling; funnel in the tanks; "Thirty gallons port and starboard, props are OK"; grab the offered food and coffee, retrieve the canteens;

MARATHON continued on page 104

THE ALL-NEW NEWPORT LINE FOR '59

All NEWPORT boats have graceful lines for speed, style and easy handling. One-piece molded hull and flotation unit giving extra strength and safety.

•

Fiberglas construction means longest life, easy to clean, no caulking or painting — just enjoy it.

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Boating Is Play the NEWPORT Way!

Gunwale Length 17' 1"
L.O.A. 15' 9"
Transom Width 59"
Transom Height 15½ or 20"
Approx. Wt. 525 lbs.

Beam 72"
Freeboard 32"
Rec. Max. H.P. 70
Safe Load 2,000 lbs.

The 17' Utility is a roomy, multi-purpose boat. Built-in full flotation unit gives 100% safety margin plus air chamber type under deck tray assures dry storage space. Step thru design for the front seat. Either with 15½" or 20" transom. Both the 15' & 17' hulls come in 3 models each—Utility, Standard, & Deluxe. Choice of 4 colors. Compare them with any boat near their size, feature for feature and performance in rough or smooth water. Whether you're buying your boat for sport or family fun, the NEWPORT is a sound investment. New York Show Space D 38-39, 46-47.

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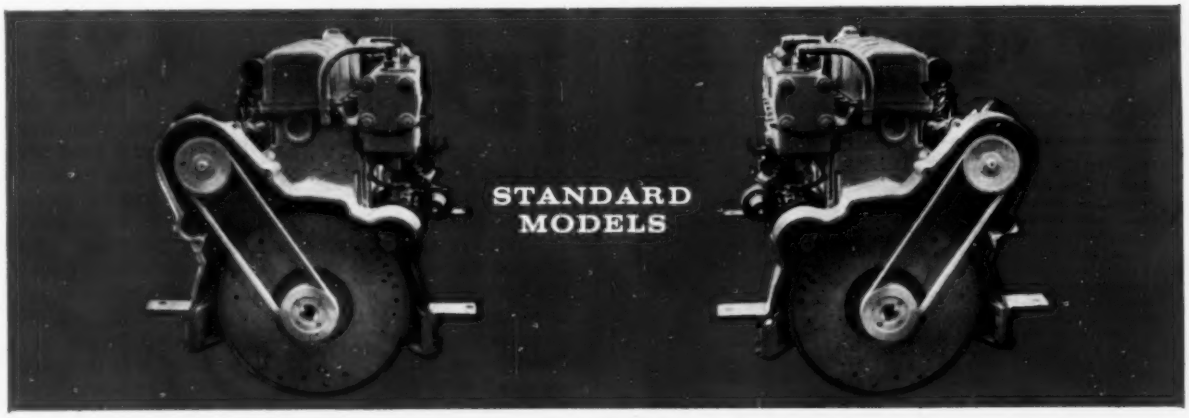

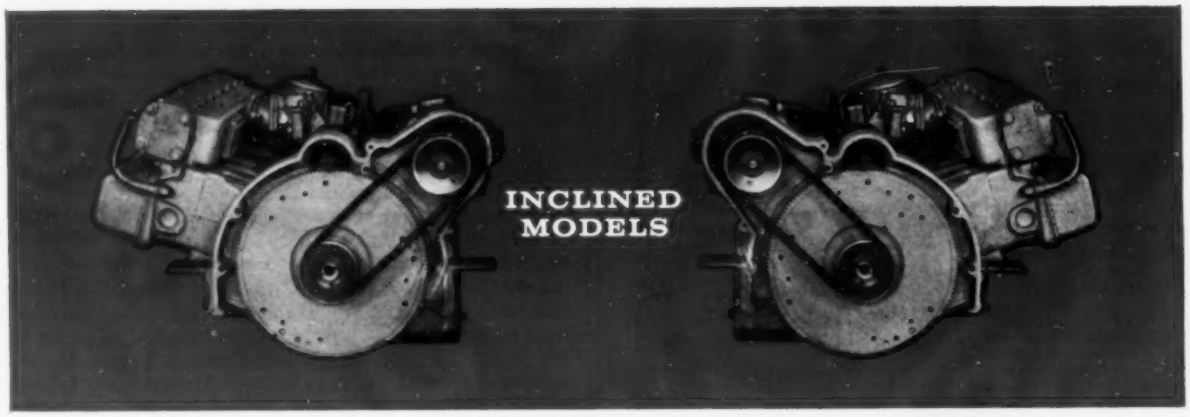

Now both Palmer standard Models I.H. 240 and I.H. 264 and the inclined Spacemaker types are available in opposite rotation for twin screw installation. Palmer opposite rotation is *very different*. It gives the boatman port and starboard engines with the same standard internal parts,——a true pair! All accessories are mounted symmetrically for ease of installation and service.

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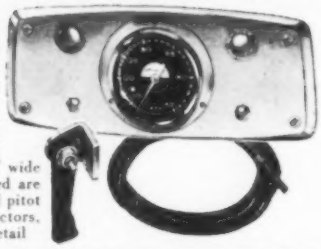
NOW—3 complete speedometer lines: (1) The new SEA SPEED LINE, good—(2) The famous Airguide CONTRALOG® LINE, better—and (3) The new exclusive JEWELED CONTRALOG LINE, the best.

New SEA SPEED LINE

No. 850 • 45 MPH SEA SPEED SET
Contains speedometer head, 18′ of vinyl tubing, hinged pitot tube, connectors, clips and screws. Accurate boat speed readings at low cost. Surface mounted die-cast case heavily chrome plated, 4″ in diameter, 1 5/16″ deep. Red and black 3″ dial with white details and pointer is very readable. Tube connection in back of case out of sight. **$9.95** Retail. **No. 851—45 MPH SEA SPEED SET.** Identical to No. 850 except flange is moved forward so that dial is flush with bulkhead. **$9.95** Retail

No. 852-S • 45 MPH SEA SPEED PANEL SET
Contains flush mounted Sea Speed speedometer in a sparkling chrome plated brass panel with provision for starter and choke buttons and two additional switches. Panel mounted flush on bulkhead is 10 7/8″ wide by 4 1/2″ high. Also included are 18′ of vinyl tubing, hinged pitot tube and bracket, connectors, clips and screws. **$15.00** Retail

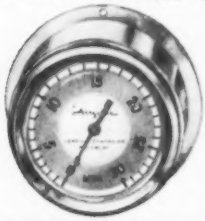


Exclusive CONTRALOG LINE

No. 707 • 50 MPH *Dolphin* CONTRALOG® ILLUMINATED
A prized accessory for any craft. Mounted on deck near steering unit where boat speeds can be easily watched. Translucent dial illuminated for night use. *Better* Airguide Contralog® movement gives fine readability to 50 MPH. Black rubber protective pad firmly hugs deck contours. Easily installed. No screws visible. Graceful chrome plated case 3 1/4″ in diam. 4 1/2″ long, 4″ high. Fits decks up to 1″ thick. **$15.00** Retail (Head only)

No. 906 • 45 MPH SET
Everything required for a complete and easy boat speedometer installation: Airguide speedometer head with *better* Contralog® movement, Pick-up unit with stabilizer, 16′ of heavy duty plastic tubing, nylon pitot tube, connectors, clips and screws. Complete set on an attractive set-up display panel. **$13.95** Retail

New JEWELED CONTRALOG LINE



No. 711 • 30 MPH JEWELED CONTRALOG® ILLUMINATED
Finest of marine speedometers—with the exclusive Airguide Contralog® movement now jeweled for *best* action and sensitivity. Heavily plated die-cast case 5″ in diam., 2″ deep with easy-to-read 3 1/2″ dial. Illuminated. Back connected. Use with any Airguide Pick-up unit with stabilizer. **$17.50**. Retail (Head only). **Also No. 712**—Identical with No. 711 except for wider speed range, 0-50 MPH. Also **$17.50** Retail

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See complete Airguide Lines at leading Marine Dealers
Export: Outboard Marine International, Nassau, B.W.I.

"What's our position?"; start engines, shove the throttles open and slip the rubber bands on again and away we go.

We had been on the river for twenty-four hours now and the second night was on us. Part of the time we tried running without headlights so we would not give our position away to other contestants disabled on sandbars as we passed. On top of that, from Cairo up both the river and the charts change suddenly for the worse: they become little mimeographed sheets showing river and markers that may be there but more often are not.

After an hour or so I relieved Dick. By now we were both functioning mostly on instinct. I was squinting into the darkness ahead of the headlight beam when suddenly the light illuminated dry land where there should have been water, perhaps a hundred feet ahead. This was what we'd been dreading; one of those fingers of sand extending far out into the water. I didn't even know from which bank it projected. Instinct said do something and I did—I wrenched the wheel to the left just as hard as I could. The cat spun—it "swapped ends" like a car on slippery pavement—and it never stopped planing. With the throttles still wide open and the bow now pointing the other way, we felt the propellers chew into the sand, get a good bite, and start shoving us back the way we had just come. It had all happened in a split-second and we had lost practically no speed.

Neither of us said a word 'til later. In deep water again, I turned the boat around, gently, and approached the sandbar again slowly while swinging the boat from side to side to sweep it with the headlights. Finding the channel, the throttles went open again and we continued on our way. Twice more that night the "sandbar turn" was forcefully executed. Both Dick and I agreed later that we would never never have dared try such a turn, nor would we try it again even now. We were at full speed, better than 45 mph, at the time. But in the pressure of a race and with fatigue dulling "better sense," strange things can happen. Under these conditions one depends heavily on the equipment, and the difference between exceptional and "just good" equipment becomes the difference of win or lose; indeed, of life or death.

At St. Genevieve, Mo., we made a flying pit stop and were told that we were now in second place and the boat which had pulled away as we came in was the leader. That meant only about a minute separated us from the first place boat. Shortly after leaving there, we passed in the dark (we learned later) that boat; they had led almost the entire race until running onto a sandbar at full speed, and they were understandably unhappy as they watched us go by in the night. They finally pushed their craft back to the water and finished fourth in the race, several hours behind us. Unknowingly, we were in the lead and not particularly caring by now, wanting only St. Louis and a soft bed, we groped on up the river.

Then, with the glow of the city's lights almost in sight, our luck finally ran out and we found ourselves stopped in a few inches of water and several feet of mud. As we strained and pushed, sinking into the mud up to our knees, we watched two boats go by, feeling their way up the channel on the other side of the river. When we got under way again they were out of sight and sheer exhaustion hit us like a giant hammer. I think we crossed the finish line at St. Louis, at least we suddenly realized there were bright lights, cheering people and horns blowing. Idling into the midst of the confusion, we were greeted by Jon almost as tired as we from his race to keep up with us by land. He and his father told us we had finished third with a total elapsed time of 29 hours and 41 1/2 minutes. The three boats had come in within a space of 12 minutes and all had broken the record for the run by many hours. We were happy to be there, not at all sad at finishing third, and we crawled away to a hotel saying "never again." But maybe next year

—JIM WYNNE

out in February!

POPULAR PHOTOGRAPHY'S BRAND NEW GUIDE to 35-MM PHOTOGRAPHY!

Here for the first time is a complete guide to 35-MM, prepared by the editors of POPULAR PHOTOGRAPHY, the world's largest selling photo magazine. If you now own a 35-MM camera or plan to buy one soon, this new Annual will be invaluable to you. It will show you how to make the best use of your camera, how to take better pictures, what to look for when buying 35-MM equipment. In short, you'll find everything you want to know about 35-MM photography in six big sections covering

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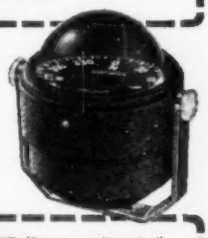
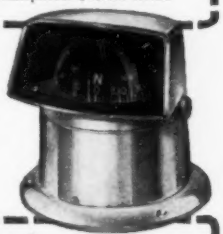
No. 77 • FOR SMALL BOATS
The newest and neatest small boat compass. Polished chrome plated metal case mounted in black anodized aluminum bracket has full gimbal action. Sparkling black Visi-dome dial with white details gives fine readability. Easily compensated, easily removed for safekeeping. 3⅝" high, 3½" across bracket. **$8.95** Retail

No. 87 • FOR SMALL BOATS
Long a favorite for its clean design and compact size so suitable for use on all types of small boats. Smooth gray case with black Visi-dome dial swings freely in anodized aluminum gimbal. Easily snapped out for safekeeping. Proven dependable under rugged marine conditions. Height including bracket 3½", case diam. 2⅜". **$7.50** Retail



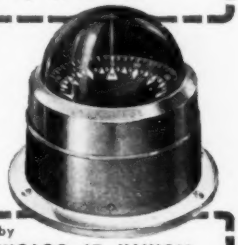
No. 88 • ILLUMINATED (Flat card dial)
Popular the world over. Easy to install and adjust. Case and bracket black crackle finished. Varied mounting positions possible with "U" type bracket makes the 88 especially adaptable to sail boats. Movement jeweled for finer precision. Flat card dial is underlit for night reading. Overall height is 4⅝", case diameter 3⅜". **$15.00** Retail

No. 88B • ILLUMINATED (Direct reading dial)
The same in every detail as the No. 88 described above except dial is direct-reading type for a much wider range of visibility. Also **$15.00** Retail. **No. 88C**—The same as No. 88-B shown at left except it is internally redesigned for mounting in any convenient overhead location. Also illuminated. **$17.50** Retail. **No. 88SH**—For southern hemisphere. **$15.00** Retail



No. 90 *Nautilus* • ILLUMINATED
Loaded with "skipper appeal." Rugged die-cast case heavily chrome plated for weather protection. Adjustable hood centers attention on direct-reading type dial. This permits wide choice of mounting positions from slightly above eye-level to directly below helmsman. Movement jeweled for smooth action. Height 4½", base diam. 4⅜". **$22.50** Retail

No. 93B *Rainbow* • ILLUMINATED
The newest and the finest in the Airguide line. Sturdy "U" type bracket provides secure mounting either in line with keel or athwartship. Rides the heaviest seas with steady smoothness thanks to the sealed-in gimbal. Rheostat provides control of light in night use. Handsome black satin and wrinkle finish. 6½" high. **$37.50** Retail



No. 91B *Ranger* • ILLUMINATED
Streamlined, nautically rugged and large enough to serve on the largest craft. 4" hemispherical dome magnifies dial for easy readability. Built-in rheostat adjusts brightness for night reading. Gimbal built into capsule gives a wide angle of operation. Beautiful satin and stipple finished die-cast case, 6½" high, flange 6¼" in diam. **$37.50** Retail

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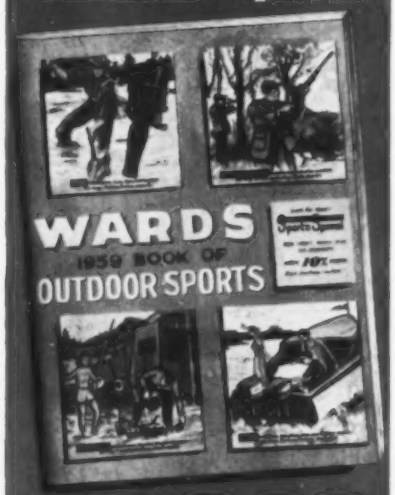

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Here's How

Answers to your boating queries

By JOHN KINGDON

PONTOON FLOTATION

"I am planning an 8x20-foot outboard houseboat having an 8x12-foot cabin. I plan to build this on two plywood pontoons, 2x2x18 feet each. My problem is, how do I figure the amount of weight my pontoons will carry and still not draw more than 6 inches of water?"

H. E. Lowther
Newark, N. J.

Presuming that your pontoons will be perfectly square throughout their lengths with no shaping or fining at their ends, this is a simple problem to solve. Every floating vessel displaces (takes the place of, moves to one side) a volume of water equal in weight to the weight of the vessel itself. With a draft of 6 inches, each of your pontoons will displace 18 cubic feet of water (18x2x0.5 feet). Both pontoons will displace twice this much, or 36 cubic feet.

Fresh water weighs 62.4 pounds per cubic foot; salt water weighs 64 pounds per cubic foot. If your houseboat is to be used in fresh water, it will weigh 36x62.4, or 2,246.4 pounds. If the boat is to be employed in salt water, it will weigh 36x64, or 2,304 pounds.

These weights include everything in the houseboat's structure and everything carried aboard the boat. Involved are the pontoons themselves, the platform atop the pontoons, the cabin and its furnishings, the outboard motor and fuel tank, the houseboat's equipment and supplies and the payload the boat will carry (the passengers and their gear).

Frankly, a displacement of but a little over a ton for a vessel of this sort is a bit on the light side. Even if built as lightly as possible, the completed craft, its motor and its equipment will weigh in the neigborhood of 1,800 pounds. This leaves 400 to 500 pounds of displacement available for water, food, miscellaneous supplies, crew and personal gear. If you plan to cruise with but one companion, this may prove adequate. It leaves no leeway, however, for occasional afternoon guests. This is undesirable because part of the charm of a houseboat is the opportunity it offers for entertaining one's friends in a unique yet thoroughly enjoyable fashion.

Far better than the project you have in mind would be a houseboat built atop metal pontoons. Such pontoons are made by several manufacturers. For literature that will prove both instructive and helpful, it is recommended that you write to the following:

Dura Craft, 421 E. Gaines, Monticello, Ark.

Flotel Division, Gennett & Sons, Inc., 1 Main St., Richmond, Ind.

Harris Mfg. Corp., 2801 W. State St., Fort Wayne, Ind.

Holland Pontoon Boats, 1005 Washington St., Mendota, Ill.

Kaye Yacht Pontoon Boat Co., Mankato, Minn.

LML Engineering & Mfg. Corp., Columbia City, Ind.

Midwest Consolidated Sales, Inc., 391 Topping St., St. Paul 3, Minn.

Weeres Pontoon Boat Co., Box 854, St. Cloud, Minn.

PONTOON RAFT

"I plan to build an outboard-powered raft similar to the pontoon boats now being offered on the general market. Do you have any information on using oil drums as pontoons for this type of craft? Also, please advise what material to use for the superstructure."

Robert Allen
Tuscaloosa, Ala.

You are in luck. Atco Products, White Bear Lake, Minn., manufactures a do-it-yourself kit for building just the sort of craft you describe. Called the Cruz-Raft, it measures 20 feet long and 10 feet wide. It has two pontoons made from oil drums and a superstructure made from 2x10-inch lumber. Both the drums and the lumber can be purchased in your own locality. Atco's kit, which weighs about 100 pounds, consists of drawings, complete instructions, special conical noses for the pontoons, and all necessary hardware.

VINYL PLASTIC FOAM

"We read with a good deal of interest your column in the June '58 issue, in which you recommended foam rubber as a replacement filler for cushions.

"There is, we, feel, a superior product available. It is called unicellular vinyl plastic foam. We manufacture it under the trade name Arkon.

"Unicellular vinyl plastic foam is, as its name indicates, plastic in foam form. It consists of thousands of tiny cells that are closed off from each other. Therefore, unlike foam rubber and other open-cell products, Arkon can never absorb water, even when cut.

"In addition, it is both mildew and

rot proof, it will not support combustion and it weighs only a fraction of what foam-rubber products weigh. The latter characteristic is especially important because it makes Arkon almost as buoyant as kapok. (A cubic foot of Arkon will support 57 pounds as opposed to 58 pounds for a cubic foot of kapok.) Arkon is therefore Coast Guard approved for use in life jackets and life-preserver cushions aboard motorboats up to 40 feet long."

P. J. Pontoriero
Arkon Plastics Division
The Linen Thread Co., Inc.
Paterson, N. J.

"My outboard fuel tank has pinhole leaks in the bottom. They are so small that I can't see them. Do you think it would be possible to apply a layer of fiberglass to the bottom and in that way stop the leaks? If this is practical, please advise me on how to proceed."

Robert Stein
San Pedro, Calif.

Fiberglass is excellent for patching fuel tanks. Since no welding or soldering is required, repairs can be made without danger of explosion. All you need to do the job is some glass cloth and a small supply of epoxy resin and catalyst (hardener). Make sure you get epoxy resin, not polyester resin. The former will bond permanently to metal while the latter will not.

Here are the steps to follow:

1. Prepare the surface. Using coarse sandpaper, sand the metal down until all dirt and paint are removed and the surface is bright. Then remove any traces of fuel or oil with a hydro-carbon solvent.

2. Measure and cut the glass cloth so it is exactly the same size as the bottom of the tank.

3. Mix the resin and hardener in a shallow tray, carefully following the proportions recommended by the manufacturer.

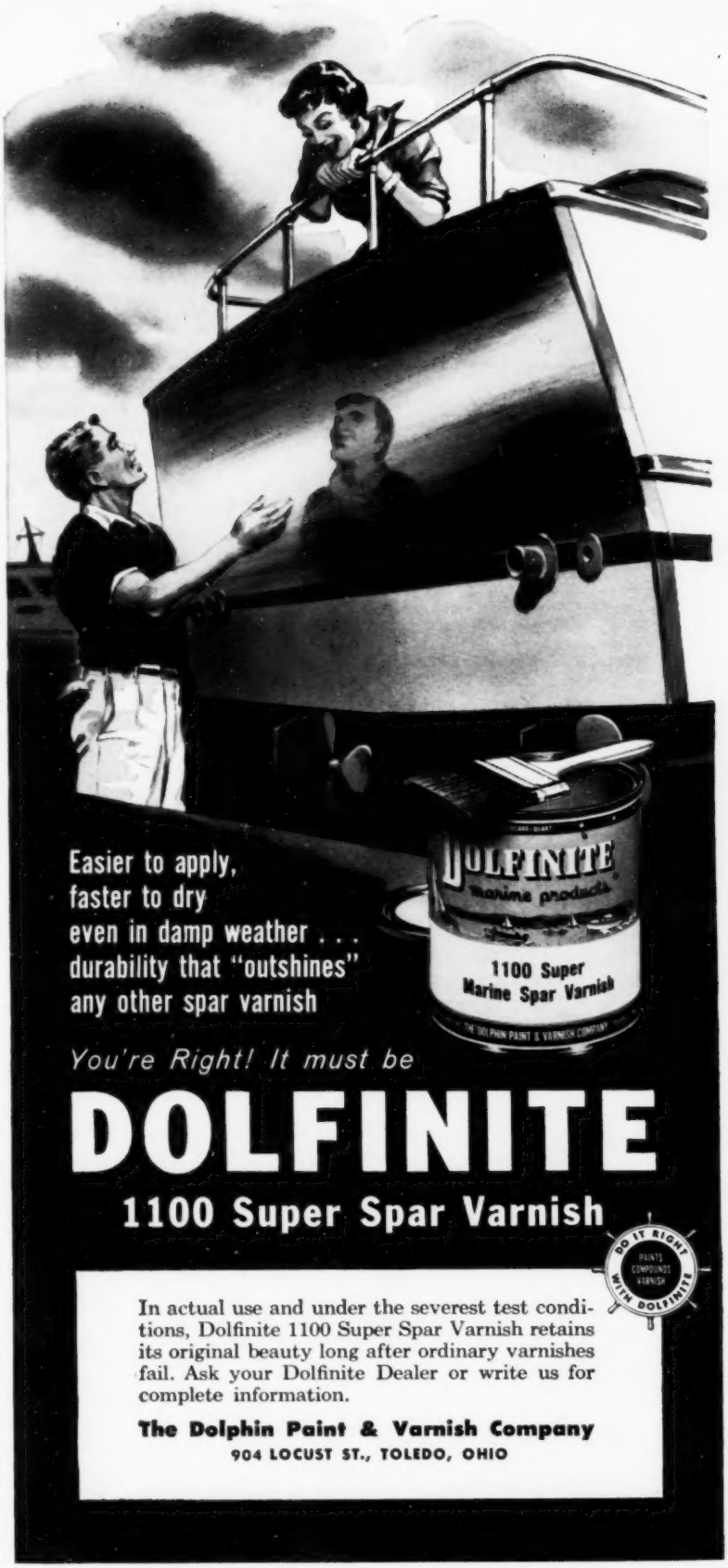
4. Putting on rubber gloves to keep the epoxy from irritating your skin, immerse the cloth in the mixture and work it around until it is thoroughly impregnated.

5. Lay the resin-soaked cloth in place on the job and smooth out all wrinkles and air bubbles with your rubber-clad hands. You'll probably want two or three thicknesses of cloth all told. You can apply all of them without waiting for the first to harden. For maximum strength, be sure to place the long weave of each layer at right angles to the long weave of the previous layer.

6. Allow the resin to harden overnight. It is sufficiently hard when it can't be dented with a fingernail.

That's all there is to it. You probably aren't interested in a smooth surface because it will normally be hid-

(*continued on next page*)



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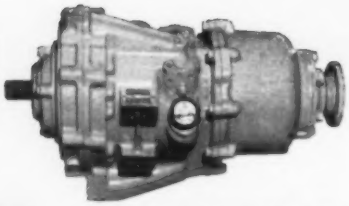

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HERE'S HOW

(continued from page 107)

den. If the holes were in the side or top of the tank, however, you'd want to finish the job by sanding, first with rough paper, then with fine paper.

IT WON'T WORK

"Is it possible to start a boat's engine by towing the boat?"
William M. Marshall
Royal Oak, Mich.

No, it isn't. To start an engine by towing, you must exert enough torque on the crankshaft to overcome the compression in the cylinders, thereby permitting the engine to turn over.

Let's digress for a minute and talk about cars.

A car with a manual transmission can be started easily by towing. The wheels are in positive contact with the road and are solidly attached to the axle, which is firmly coupled to the driveshaft by means of gears in the differential. The driveshaft, in turn, is rigidly attached to the engine's crankshaft by the gears in the transmission. There is thus no slippage anywhere along the line. The revolving of the car's wheels is transformed directly into the crankshaft torque that's more than sufficient to overcome the cylinder compression.

A car with an automatic transmission, on the other hand, is harder to start by towing because this type of transmission has fluid drive. In its simplest form, fluid drive consists of a driving wheel that is attached to the crankshaft, a driven wheel (called a runner) that is attached to the driveshaft and a casing around the two wheels that is filled with oil. As the driving wheel revolves, it imparts its motion to the oil and the movement of the oil causes the runner also to revolve.

In a car being towed, this process is, of course, reversed. The runner revolves and imparts its motion to the oil. The driving wheel, forcefully influenced by cylinder compression, strongly resists the movement of the oil. So stoically does it breast the wave of oil, in fact, that the car must be towed as much as 35 mph before the oil can overcome the resistance and make the engine turn over.

A similar resistance is at work when we attempt to start a boat's engine by towing. In this case, however, instead of a driving wheel and oil we have a propeller and water. When the boat is towed, the water moves past the propeller, striving to make it turn. But it can't turn because it is held in check by cylinder compression. The only way it could be made to turn would be to increase the force of the water until it overcomes the load of the compression.

In everyday practice, this point can

(continued on page 110)

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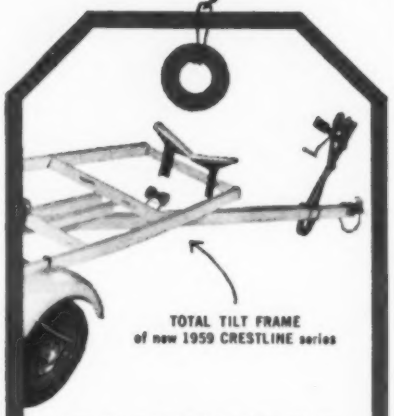

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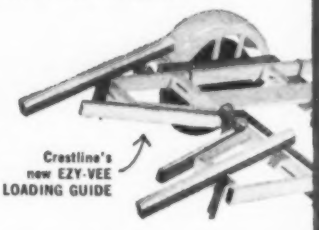

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HERE'S HOW

(*continued from page* 108)

never be reached because of one fundamental difference between our propeller and the driving wheel in a fluid drive: the latter is in a casing that directs the oil's movement specifically at it, but the former has no casing to give the water specific directional thrust. The water's force is therefore so greatly dissipated that it can't possibly conquer the propeller's resistance.

Ergo: it is impossible to start a boat's engine by towing the boat.

"I am building a small experimental racing sailboat and have reached the point where I am ready to fabricate her metal fittings. One of the materials I am considering using for these fittings is titanium. What are the pros and cons of this 'wonder metal'?"

C. W. McCutchen
Princeton, N. J.

Titanium is one of the most interesting of the new materials being used in boatbuilding. It is an extremely lightweight metal that is remarkably resistant to corrosion. Bob Lippincott, a Riverton, N. J., boatbuilder and sailboat skipper, used it extensively for spar and tiller fittings in *Flower*, a Star-class boat he built and sailed to several important victories this past season.

The only thing preventing titanium from immediately replacing stainless steel and aluminum in marine applications is its cost. The companies producing the metal realize this and are taking drastic steps to lower the cost by refining the techniques used to produce commercially pure titanium. The price has already dropped from $5 a pound in early 1955 to $2.50 a pound today. The ultimate goal is $1.25 a pound. When that goal is achieved, titanium will undoubtedly become the lightweight champion of the metal world.

Meanwhile, despite its cost, it is being employed increasingly in racing sailboats and motorboats where corrosion resistance and pounds saved are more important than dollars and cents.

MARINE ENGINE SAFETY

"I am going to put a new marine engine in my boat. I want it installed with all the safety measures and conveniences possible, especially insofar as the electrical system is concerned. Would you please supply me with a source of information that will prove helpful?"

B. F. Schaeffer
Stanwood, Wash.

When you purchase your new engine, you will receive with it an owner's instruction manual. This is the best source of information there is. If you follow the advice given in it, you can't go wrong. — ⚓

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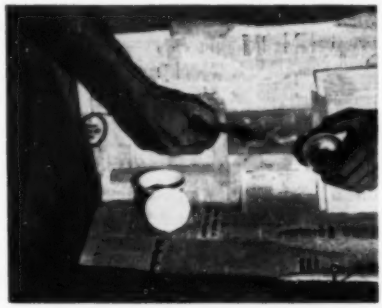
How to Repair Fiberglass Boats

ALTHOUGH fiberglass-protected wood boats and all-fiberglass boats will withstand terrific abuse and maltreatment, the fabric may in time begin to "dry-out," or deteriorate in spots of extreme wear and friction.

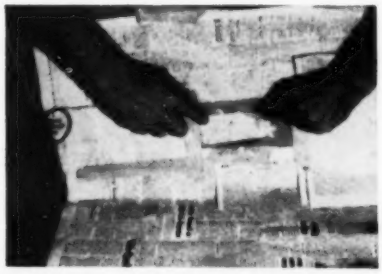
Sometimes it is a faulty trailer cradle that through constant chafing and vibration has worn a spot through the sheath of glass armor. Perhaps something heavy was kicked off a dock onto the deck, causing a deep gash in the surface.

There is nothing difficult entailed in repairing fiberglass surfaces. Just be sure to properly combine resin and catalyst in the right amounts, and to allow ample drying time before sanding.

New methods and materials have made it possible for the rank amateur to do a professional boat repair job the first time, if he follows instructions. See the accompanying photographs for the steps to easy repair of glass covered surfaces.—V. Lee Oertle



1 Sand around punctured area, mask off with paper. Apply glass fibers mixed with resin. Glass fibers dry hard and tough.



2 Cover glass fill-coat with a layer of fiberglass cloth and apply resin over cloth. When dry sand cloth smooth, feather edges.

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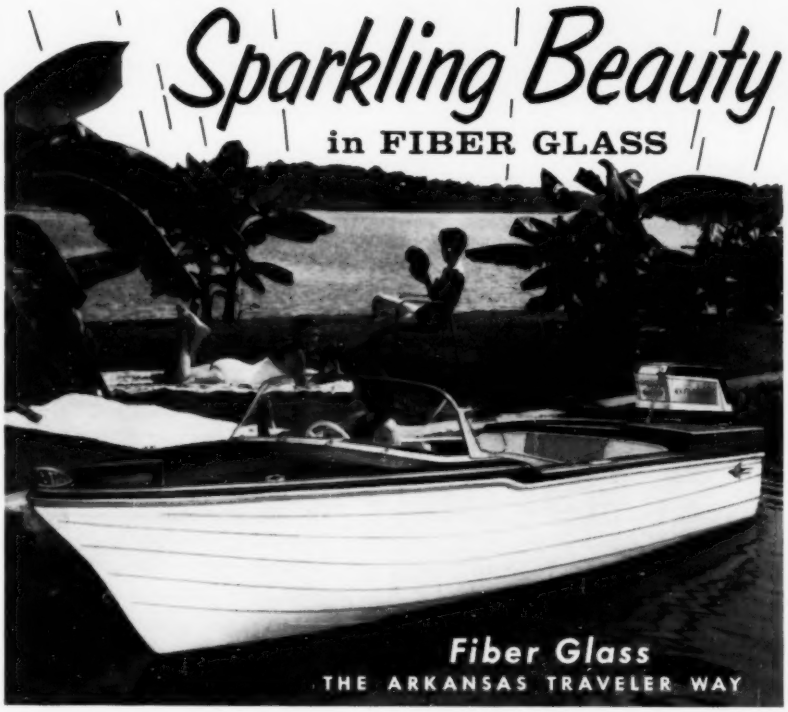

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3 On outside of boat, sand off excess glass fiber backing protruding through the puncture. Roughen edges around the patch.

4 Cut square of fiberglass large enough to overlap the puncture by several inches. Dip it into the prepared resin-catalyst mixture.

5 Apply fiberglass patch over puncture on outside of boat. Smooth out any air bubbles with squeegee or a piece of cardboard.

6 When thoroughly dry, sand the patch until edges blend with original surface. Colored resin may then be applied to match hull.

7 Remove masking paper, inspect for flaws. Touch up with a primer and paint where necessary. Repair will be nearly invisible.

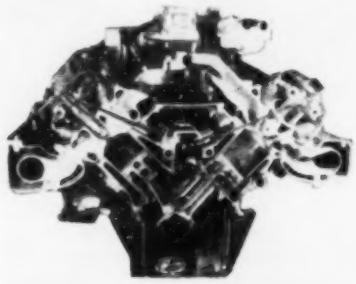
8 Inside boat, use pressurized zolatone paint to match the interior. If done well no trace of the patch will be visible here.

MARINE INBOARD ENGINES ARE DIFFERENT

Knowledge of Your Car's Engine Can Keep You from Being "At Sea" on the Water

By Peter Bowman

BECAUSE boats are for water and cars are for land, owners of pleasure craft traditionally disassociate the two; say "maintenance" to an inboard boatsman and he will more readily think of scraping down and fitting out a hull than of replacing the spark plugs in his marine engine. He knows, in a vague way, that there are similarities in configuration between his boat's power plant and that of his car —and that some manufacturers (like Chrysler) make both—but he is sure that inboard repairs, however minor,



Marine or automotive V engine? Study this, then turn to pic page 114.

should be placed in the hands of a specialist.

Actually, except for certain essential dissimilarities, the gasoline-operated marine engine is virtually the same as its automotive counterpart, and once you learn what these distinctions are you can approach your boat's engine compartment with all the confidence with which you lift the hood of your car.

The terms "straight six" and "V-8"

CONTINUED on page 114

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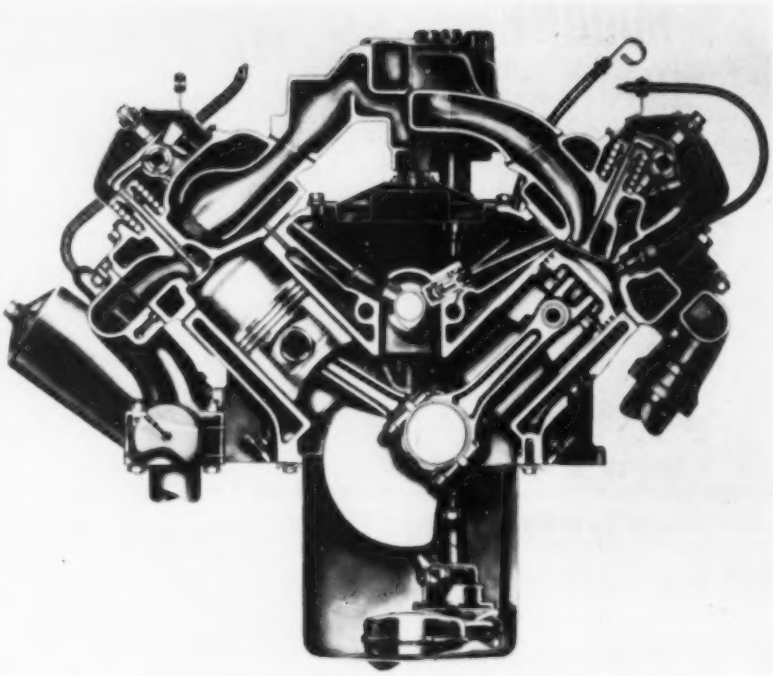


This cutaway illustrates significant differences between marine here, car engine on page 113, particularly the exhaust manifold arrangement. Notice the uncluttered profile of the marine engine, which permits easy accessibility to parts, and high placement of dipstick.

MARINE ENGINES continued

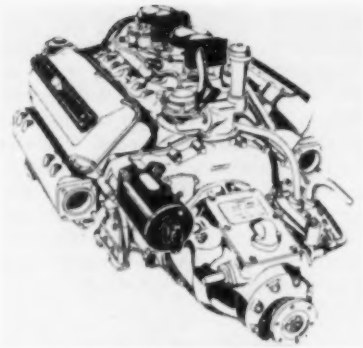
have the same meaning at sea or on shore, except that eight cylinder engines are usually equiped with twin four-barrel carburetors of dual downdraft design, with the six cylinder job featuring an up-draft carb. Flame arrestors take the place of air cleaners, and while they permit air to pass through to the carburetor their function should not be confused with that of the motor accessory. You can run your car without an air cleaner and not suffer serious mishap. Don't ever start your boat engine without the flame arrestors properly in place, however.

It is this need for special protection against fire, in fact, that points up a number of design differences between boat and auto power plants. Your car moves through air and there is little chance for volatile gasoline fumes to accumulate since these are carried away by the airstream over and under the moving vehicle. This is not the case at sea, and measures must be taken to prevent any possibility of explosion and fire. That is why many marine installations have overboard drains fitted under the carburetor to carry away any gasoline that might drip, why the distributor is completely shielded to keep a loose wire from throwing out a spark, and why generators (which might develop a sparking brush are of the unvented type.

Marine engines differ carb-wise from their automotive equivalent in that instead of having a low speed adjustment and a fixed jet to regulate the mixture, as in autos, they have two adjustments for each barrel—one for low speed and one for high speed. This is largely because a boat engine never gets a chance to "coast downhill" but must be hard at work during virtually every moment of its running time. Adjustments to the carburetor should be made to obtain the smoothest performance with the leanest mixture, using the several speed settings to establish the level at which the engine works best. Care should be taken to avoid having too lean a mixture in the interest of longer valve life.

The distributor on the marine engine is almost identical with that in your car's ignition system. An important difference is that there is no need for a vacuum spark advance at sea since there is not the variety of driving situations in open water that you would normally encounter at the wheel of your car. At any given speed your inboard is under a constant load and the degree of spark required is comparatively stable. The spark plugs themselves are the same as are used in everyday driving except that they are covered to make them splash-proof.

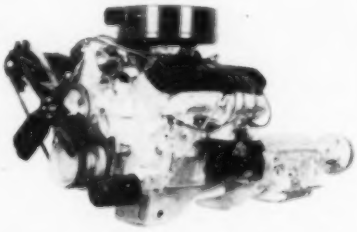
The cooling system of a marine engine differs from your car's in several ways. The usual air blast from the grille is missing, the system can be either an open or closed circuit, fresh or salt water may be used with equal



Most visible difference between this marine engine and an auto engine below are the full length water jackets.

effectiveness, the exhaust lines are cooled while the intake manifold is heated, an oil cooler is included in the system, and a different type of water pump is required.

Water is scooped into the cooling system as the boat moves, and is regulated by the pump in accordance with speed and headway. The pump is a gear-driven, positive displacement type that can handle fresh or salt water without corroding and can withstand the effects of silt and sand. Full length water jackets enclose the cylinder block of the inboard, with water circulating around all cylinders. Water tubes are usually of brass, as against



An auto engine features fan and belt assembly, air cleaner. Note vented (exposed to air) car accessories.

the rubber hoses used in cars, and silver solder at joints displace conventional hose clamps.

Coolant is first pumped to the exhaust manifolds, whose temperature must be reduced to the point where it will not represent a possible fire hazard. Water then flows through an oil cooler where it cools the engine oil and thus prolongs the useful life of the lubricant and the longevity of the engine. A zinc electrode is installed in the oil cooler to prevent electrolysis in the cooling system, with its resulting decomposition. If it were not for this oil cooler, marine engine oil temperatures would be too high for efficient operation, since there is no airstream present.

continued on page 116

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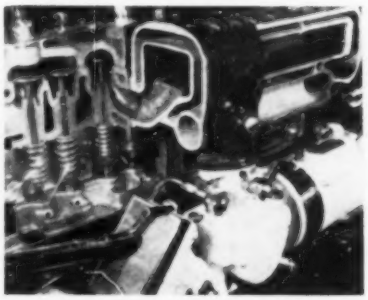
After it leaves the oil cooler the water enters the cylinder block and cylinder heads where it cools in the conventional manner. The rate of flow is slower than in a passenger car engine, so the heads must be modified to overcome local hot spots. The water then enters the intake manifold in order to keep the carburetor risers warm, then flows to the thermostat housing where it is bypassed for recirculation through the manifold or rejected overboard by means of the exhaust pipes.

Another point of difference between your car's engine and the power plant of your boat is the location of the flywheel. On an inboard this is usually mounted at the forward end of the engine rather than at the drive end.



Marine nature of this 6 is seen in geared exhaust, flame arrestor, block vent and geared generator.

There are several reasons for the change in position. One is that space is saved by eliminating a bulge in the aft end of the engine so that the installation can follow the normal contour of the hull. Another reason is that it simplifies lubrication by permitting the reverse gear and the engine to possess a single integral oil sump. And thirdly, mounting the flywheel forward makes it easy to attach a power take-

Marine engines usually carry plates with warnings and instructions for maintenance and routine repairs.

off for operating winches, booms or other auxiliary equipment.

Selecting the correct gear reduction for an inboard transmission is a more complicated matter, from an engineering standpoint, than the choice of a

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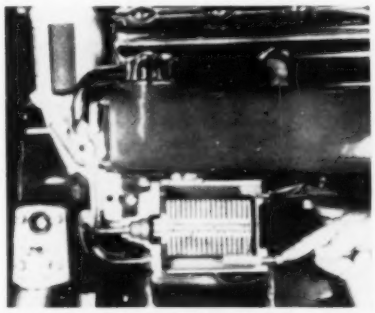
proper rear axle ratio for an auto. The clutch plates and planetary pinions must be more rugged and the hydraulic control system must be sensitive enough to give the propeller just the right pitch for the work it must do.

The crankcase itself is usually ventilated by means of a pipe running from the crankcase into the flame arrestor and thence to the carburetor. The air entering the carburetor picks up gasoline fumes and water vapor and in this way keeps the crankcase free of sludge. This ventilator pipe may strike you as rather distinctively sea-going, but talk to an old timer and he will recall that a similar accessory connected between the carburetor air inlet and the crankcase was to be found on the Model T!

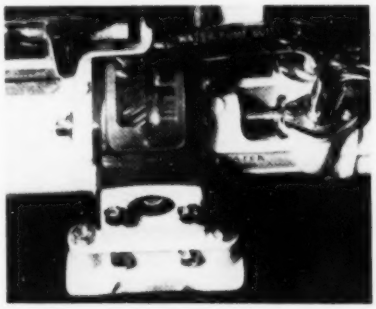
From a maintenance standpoint the marine engine offers perhaps fewer problems than its landlubbing kin.



Man's finger (right) points to zinc electrode installed in oil cooler to counteract effects of electrolysis.

About the only accessory that will require regular attention is the carburetor. Here your maintenance should follow the same general procedure as on land—keep the unit clean, replace worn parts and install new gaskets when reassembling.

In general, anyone who is familiar



Water pump, center, of marine engine is gear driven and frequently coupled to generator, right, both working as unit.

with the workings of a car motor can apply those same automotive fundamentals to a marine engine. There are differences, of course, but these distinctions are hardly striking enough to leave you "all at sea" about your boat's power plant.—PETER BOWMAN.

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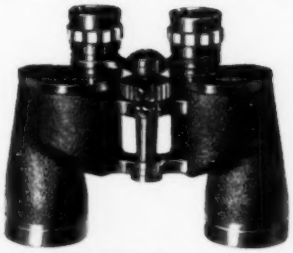

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Sternwheeled River Replica

A Copy From A Romantic River Past, This Riverboat Fills One Retired Skipper's Special Dream

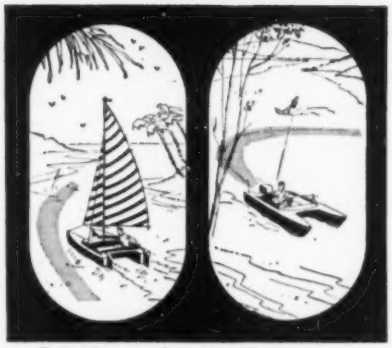
By W. R. Vecchio

At helm of his sternwheeler River Queen, Captain Weber pulls lanyard to sound whistle.

ONE sunny Florida afternoon a few months ago, residents of quiet, exclusive Jupiter Island were startled by a sight and sound difficult to reconcile with this modern Sputnik age.

No, it wasn't an illusion; it wasn't a mirage out of the past. There, right smack in the middle of the Indian River was the old-time sternwheeler *River Queen*. An occasional high-pitched whistle momentarily drowned out the music of the Old South and Mississippi River days emanating from her quarterdeck (music that was heard with the assistance of a modern tape recorder and amplifier). *River Queen*, in a proud but unpretentious manner, was announcing to all within sight and sound that she was heading for her new home berth, a few miles away at Stuart, Fla.

This was the climax of a two-month trip from her birthplace up in New Jersey. Travelling at the speed of five knots, she had bravely made her way down the Toms River and headed into



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the Intracoastal Waterway, down past Virginia, the Carolinas and Georgia until she finally arrived at her new home: the St. Lucie River Lighthouse dock at Stuart.

It was the culmination of a dream that began in the mind of owner/skipper Captain Hal Weber when he was in his teens. He worked in Pittsburgh, Pa., at the junction of the Allegheny and Monongahela rivers; and spent his leisure time gazing in rapt fascination at the many old paddlewheel packets that traveled those rivers. He knew that someday he must pilot such a craft.

When the age of retirement arrived, Captain Weber turned over his hardware store to his eldest son, and proceeded to give reality to his dream. With a copy of plans of the original *River Queen* that in the 1850's plied the waters of the Mississippi, he was able to build a replica, one-third the size of the proud old sternwheeler.

River Queen was constructed from plans of Mississippi original in New Jersey.

Through much research and some good old horse-trading, he managed to acquire some of the original *River Queen's* equipment, including parts of its paddle wheel, the pilot wheel, running lights, its bell and whistle. Much of the wood used for deck and bulkheads was from 8,000 square feet of 110-year old 4 x 12 Sitka spruce timber which he purchased from an old New York Port Authority building.

For power, Captain Weber acceded to 20th Century convenience, and installed a war surplus Buda diesel that originally powered a Navy launch. The new *River Queen* is outfitted with watertight compartments and collision bulkheads. For added safety, unlike her namesake, her hull is fitted with 12 large buoyancy tanks which theoretically make her unsinkable.

After a few shakedown cruises on New Jersey's Toms River, Captain and Mrs. Weber plus a crew of one—a hound dog named Clancy of dubious parentage—headed south for Florida. She is the first sternwheeler to make the trip via the Inland Waterway route.

Craft was cruised south down the Inland Waterway to Florida, and now docks at Stuart, with frequent trips up St. Lucie River.

Now the *River Queen* leaves her pier at Lighthouse Dock twice daily for a two hour pleasure cruise up the St. Lucie River. Her tourist passengers lean on the railings and watch the tropical foliage as the monotone of the churning paddle wheel revives memories of days long past.—W. R. VECCHIO

Here's a brand new Guide to Maine's 2,500-mile, fascinating seacoast and hundreds of sport-packed fresh-water lakes.

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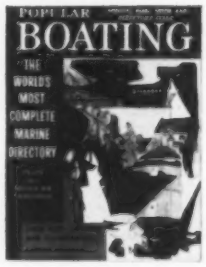

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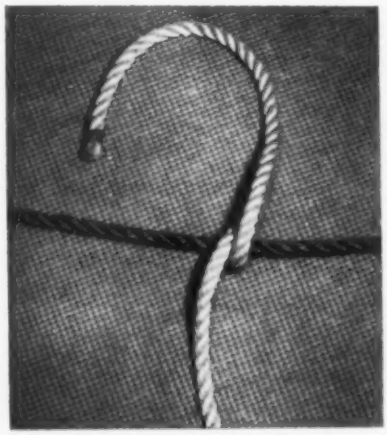
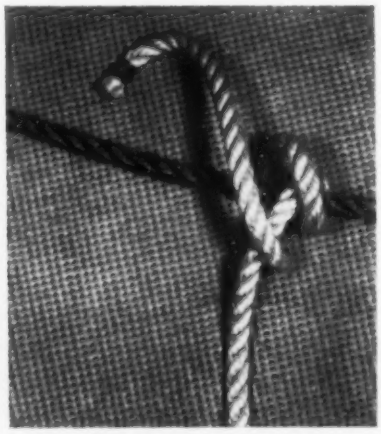
Such a knot may be used for securing dinghy painters (the short line secured to the bow of your boat), or flag halyards (the small line you use for hoisting your sails, flags, etc.). It can be used for setting up tensions in shrouds (the stays to your masthead), and adjusted to position by sliding it along in direction opposite to pull.

There are two Rolling Hitches with their respective variations; the outside and the inside type. The one shown here is the Inside Rolling Hitch.

—GORDON S. SMITH



Take a turn around the rope or spar, crossing the standing part.



Take second turn around rope, crossing the standing part again.

Take a third turn around the rope and pass line through its own bight.

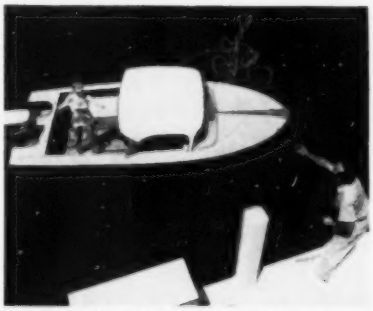
Draw up. Strain may be applied parallel or at right angle to rope.

DOCKING PROCEDURE

ROPE that floats is a new wrinkle for the boatman. Already popular as a water ski tow line that is easy to recover, it is also claimed to be useful for many a novice not too adept at casting a line ashore when mooring, as shown in these photos taken at the new Phillips Pier 66 Marina at Fort Lauderdale, Florida. Floating on the surface, the line is easier for an attendant ashore to lift from the water with a boat hook, and is less likely to foul the propeller. Known technically as Marlex rigid polyethylene, the type shown has contrasting strands which add to its visibility. It is sold by American Mfg. Co., Columbia Rope, New Beford Cordage, Puritan Rope, Plymouth Cordage, and others. — ⚓

Jerry Yulsman—Pier 66 Photos

Have a coil of line handy before starting to approach a dock. A large eye in the end is handy to drop over bollard or pier cleat.



Cast the line high and far to the attendant ashore. Knot in a weighted end if you use a heaving line frequently to dock.

continued on next page

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3. ALL PURPOSE 12-ft. combination, fishing, rowing and runabout. 36" deck forward. Weighs 125 lbs. Takes up to 10 hp. motors—speeds up to 35 mph. Simple plywood construction with canvas covering. Semi-Vee bottom. Low cost. Fills every small craft need. **$1.00**

13. ZIPP 13-ft. outboard hydroplane single cockpit design. Seats 2. Takes 10-50 hp. motors—fast and sporty. Has been used as a racing craft. Adapted especially to plywood construction. **$1.00**

14. SEA GAL 15-ft. Here's a strong, stable, general purpose outboard runabout adapted for use on open rough waters. Seats 6 to 8 comfortably. Convex and Vee bottom plywood construction. With 14 hp. motor will do 25 mph. **$1.00**

24. RANGER 17-ft. outboard cruiser. Seats 4 or sleeps 2. Takes 25 to 50 hp. motors. High speed vee bottom design. All accommodations included. Plywood const. Strong, stable, seaworthy. **$1.00**

27. METEOR 12½-ft. fast, sporty outboard hydroplane with convex bottom, non-tripping chines. Speeds up to 35 mph. Plywood construction. . . **$1.00**

30. FALCON 14-ft.—118 sq. ft. sailboat of centerboard design. Faster than Snipe and Comet designs and stick with 18 footers. Plywood construction. Easy to build. Seats 4. Sail plans included. **$1.00**

31. WHIZZ 21-ft. high speed cruiser designed for use with 40 to 100 hp. inboard motors with long cruise accommodations for 2. Plywood construction over oak frames. Handles easily at high speed. Plans include cabin design. **$1.00**

32. BUZZ 11-ft. car top outboard hydroplane designed for use with 5 to 10 hp. motors. Seats 4 persons. Weighs only 135 lbs. Convex bottom. Plywood planking over stressed frame. **$1.00**

36. CHUM 15½-ft. Speedy inboard runabout designed for use with a converted Jeep Engine or any other 25-100 hp. converted car engine. You can use either a double or single cockpit. Seats 4 people. Sturdy plywood construction. . **$1.00**

75. KINGFISHER 9-ft. Pram. Ideal as a car top boat. Seats 3. Takes 1 to 3 hp. motors. Weighs only 90 lbs. Simple plywood construction over frame. **$1.00**

78. SPORTSMAN 18-ft. cabin cruiser for overnight or weekend trips. Designed for inboards of 15 to 90 hp. Speeds up to 40 mph. with 4 persons. Weighs 1700 lbs., stable and seaworthy. . . **$1.00**

104. BUDDY 13-ft. utility boat. You can row, sail or power this boat with motors up to 12 hp. Seats 4. Smart semi-vee bottom design. Weighs only 130 lbs. Easy to build, inexpensive const. . . **$1.00**

112. VICTORY Designed as a 12-14 or 16-ft., 2 cockpit runabout of smart design that combines utility with speed and comfort. Speeds up to 30 mph. Seats 4 or more. Plywood construction. **$1.00**

113. JAZZ BABY 12-ft. semi-vee bottom multipurpose boat. Snappy design takes most heavy outboard motors. Rows easily. Seats 4. Weighs 150 lbs. Simple plywood construction . . **$1.00**

138. SEA SCOUT 14½-ft. speed inboard runabout with single cockpit that seats 3 comfortably. Takes engines up to 65 hp. Plywood construction. . **$1.00**

150. NANCY JANE 19-ft. all-purpose inboard runabout of durable cockpit design with or without cabin. Takes engines up to 100 hp. Single screw. Plywood construction over oak frame. **$1.00**

155. MUSTANG 12 or 14-ft. high speed runabout. Seats 4. Ideal for use without boards up to 25 hp. Roomy double cockpit. Plywood over stressed framework. **$1.00**

157. SKEETER 8-ft. lightning fast, blunt nosed racing hydroplane. Plywood and canvas construction make it light and easy to handle. Carry top car. **$1.00**

165. YELLOW JACKET 8-ft. Class A racing hydroplane for use with 7½ hp. motor. Original has nearly broken records several times. Simple plywood construction with fabric deck . . **$1.00**

174. BLITZEN 11-ft. speedy outboard runabout for Class B racing. Has been clocked at 47 mph. using a 25 hp. outboard engine. Two hull styles from same basic design are given—one for racing and one for general utility. Seating capacity: 4 persons. Plywood construction. Lends itself to quantity production in case you want to build some extra ones to sell at a profit or rent them . . **$1.00**

175. EAGER EYE 18' Outboard Cabin Cruiser for racing and sports cruises. Carries 4 or sleeps 2. Plywood construction with concealed motor in well. V-convex bottom and 6' 1" beam at widest point. Hull: 600 lbs. Depth 40" forward; 28" aft. Top Speed 30 mph. with Evinrude, Johnson or Mercury motors. Low in cost to build—fun to run. Easy to transport on a trailer **$1.50**

179. DOLLY VARDEN 13' or 15½' open utility outboard, strip-planked boat of tight, durable easy-to-build construction. About $60 will build her. Uses up to 7 hp. motor and speeds up to 14 mph. Seats 4. Excellent fishing boat . . **$1.00**

201. PLAYBOY De Luxe 14-ft. sports runabout. For extended trips, hauling water skiers, aquaplanes, and fishing. Seats 6. Weighs 300 lbs. Takes outboard 15-25 hp. Made of plywood **$1.50**

210. SEA BABE 15-ft. sports cruiser has special designed hull that practically eliminates power-wasting spray. Hence, greater speed. Sleeps 2 persons for overnight cruising or seats 4 people. Easy to handle, economical to run. Weighs 450 lbs. Simple plywood construction . . . **$1.50**

216. DRAGONFLY II 10-ft. exceptionally fast hydroplane planned for all classes of outboard motors. Streamlined design gives added speed, strength, stability, maneuverability **$1.50**

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In mooring, the bow line should be made fast soon as possible, and must be strong enough to stand the strain of wind and current on the boat.

Now stern may be warped alongside dock. For this job rope with maximum tensile strength is required because of some vertical strain.

With boat in position alongside, a spring line is passed to the dock to be made fast forward so that boat cannot drift astern on mooring.

ROUND-THE-CLOCK FORECASTS

NEW PORTABLE RADIOS covering the long-wave band are now making available government weather broadcasts every 30 minutes 24 hours a day for boatmen across the country. Broadcast each 15 minutes and 45 minutes after the hour from Civil Aeronautics Authority range stations, these reports not only give detailed information about conditions at the local field but also reports from eight to ten other fields in the area. Thundersqualls, gusty winds, approaching showers are all promptly announced, and the boatman listening in can get

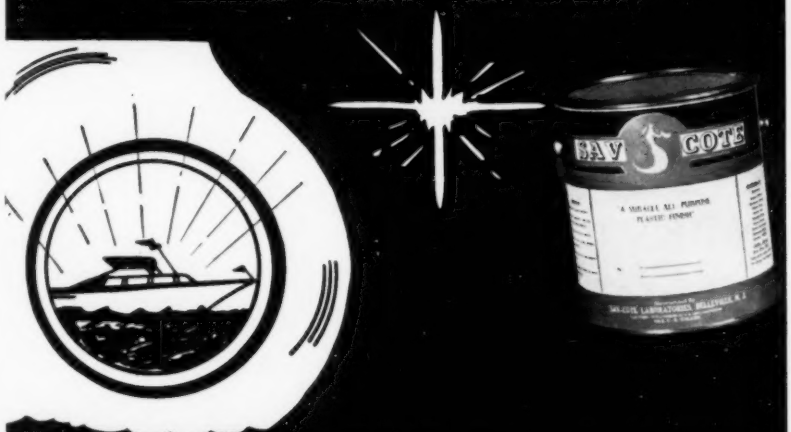
excellent forewarning of trouble heading his way.

Portable radios in the past have covered short-wave bands as well as the standard broadcast stations, but only recently has the 200 to 400 kc weather navigation and marine beacon band been incorporated. On these frequencies are also carried the radio range beams so familiar to aircraft pilots, and with the new receivers a boatman can tune in the same A (.—) and N (—.) quadrants or the beam itself and determine his relative position. By utilizing directional aerials, the portables can also be used as direction finders, and homing on a range station, a lightship, or a standard broadcasting station transmitter is possible. Aeronautic charts showing frequency and location of radio navigational aids are available for 25¢ from U. S. Coast and Geodetic Survey, Washington 25, D. C.

Two new high sensitivity portables have been announced by Zenith Radio to cover the low frequency band. The Navigator Royal 760 gives a sharp null for direction finding on both beacon and broadcast bands. The larger Trans-Oceanic Royal 1000-D, now fully transistorized, has added the beacon band to its eight previous frequencies for full long- and short-wave coverage. Both are available with optional earphones. A special instruction booklet, available from Zenith dealers, gives full instructions for use of the navigator in boat or aircraft for homing, orientation, and obtaining cross bearings.

Other portables providing low-frequency weather and navigation reception for the boatman are the Motorola twin-band Weatherama with direction antenna in the handle and optional earphone; the new RCA Portaguide transistorized portable RDF with visual null meter and three bands: beacon, broadcast, and beacon; the DF-O-Matic, made by Allen & Bradford of Chicago, which incorporates a "visual direction indicator" that can be set for following a course; Marlin 200, a two-band portable that is not only watertight but floats if dropped overboard, from Burlington Electric Corp., Burlington, N. J.; the Weatherman Slim-Six from L. T. Labs, Waukegan, Ill.; and the DF-2 Radio Navigator Kit, made by the Heath Co. of Benton Harbor, Mich., which is a home assembly unit giving long-wave and broadcast band reception plus a visual null meter for direction use. For boatmen of Long Island, N. Y., and the Sound area, a special Radio Direction Finding Chart has been prepared by York Marine Radio of Stonington, Conn. Marine radio aids for users of the new low-frequency radios are indicated here, a further inducement for boat owners to make use of the important and long neglected 200 to 400 kc frequencies.—

SUPERIOR "LIQUID PLASTIC" QUALITY



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Futuristic, superior plastic resins gives you remarkable results . . . tough, fire-resistant, waterproof, rotproof and glass-smooth. Sav-Cote dries flawless, tack free and glowing in one hour. Obtain up to 6 coats in one day. Miraculously adheres to bare or finished wood, metal, canvas or plastic, fiberglass and aluminum.

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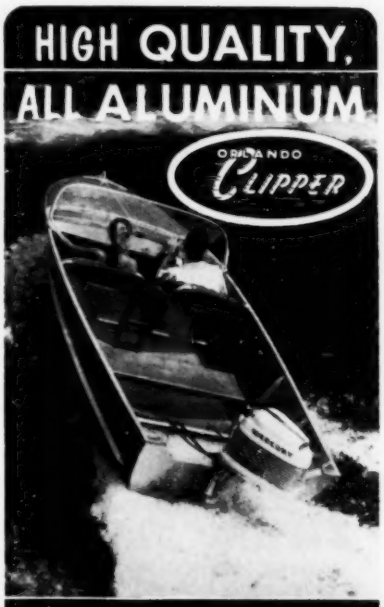

Are you tired of high depreciation and maintenance costs on your present boat? Then investigate the Orlando Clipper line of aluminum and fiberglass boats. Because they look like new for years and years, and because they give years of trouble free service, an Orlando Clipper always brings top dollars when you trade. It cost less over the years to own and enjoy an Orlando Clipper.

Write the factory for full information.

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INTRODUCING
The Bay Shore
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DIRECTION FINDER
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The Bay Shore is a fully TRANSISTORIZED, 3 Band, all-purpose, precision built instrument. Designed in the same beautiful styling and color of the distinctive Nassau, the Bay Shore features the latest in mechanical and electronic advances — printed circuitry, moisture and fungus proofed to military standards, up to 2 seasons of normal operation from a standard 12 V dry cell battery, all aluminum cabinet, compact ferrite tuning loop, BFO for weak signal boosting and many more outstanding features. The Bay Shore is designed and built by manufacturers of top quality electronic equipment for Government use. See this amazing DF perform at your favorite dealer.

Catalog on request. New Dealers invited.

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Beech Street, Islip, Long Island, New York

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INTRODUCING
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MUNSTON

Munston's MRT-30 B, The Nassau, has incorporated all the fine quality of design, construction and reliability that is found in the Radio Telephones built by Munston for the U.S. Coast Guard and U.S. Navy.

The exterior design was created by one of the country's leading industrial Designers and is supplied in beautiful neutral decorator's colors to blend into any cabins' decor. Technical features are 30 watts input • Full F.C.C. specification compliance • 5 channels plus broadcast band complete with push-to-talk microphone, crystals and antenna • Economically priced to meet the lowest budget.

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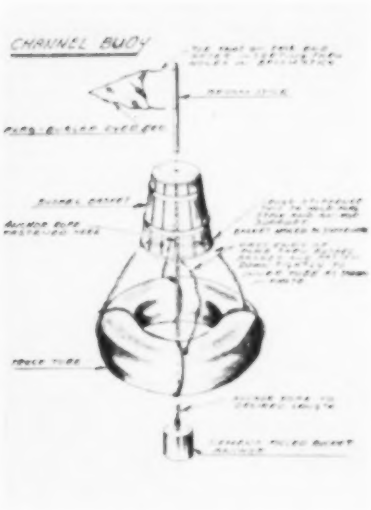
how to:

BUILD YOUR OWN CHANNEL MARKER

With an old truck tube and bushel basket you can mark submerged dangers to navigation, fishing grounds or areas prohibited to boats

High visibility paint, plus a flag on this inexpensive, homemade channel marker will identify dangerous ground or the fairway home.

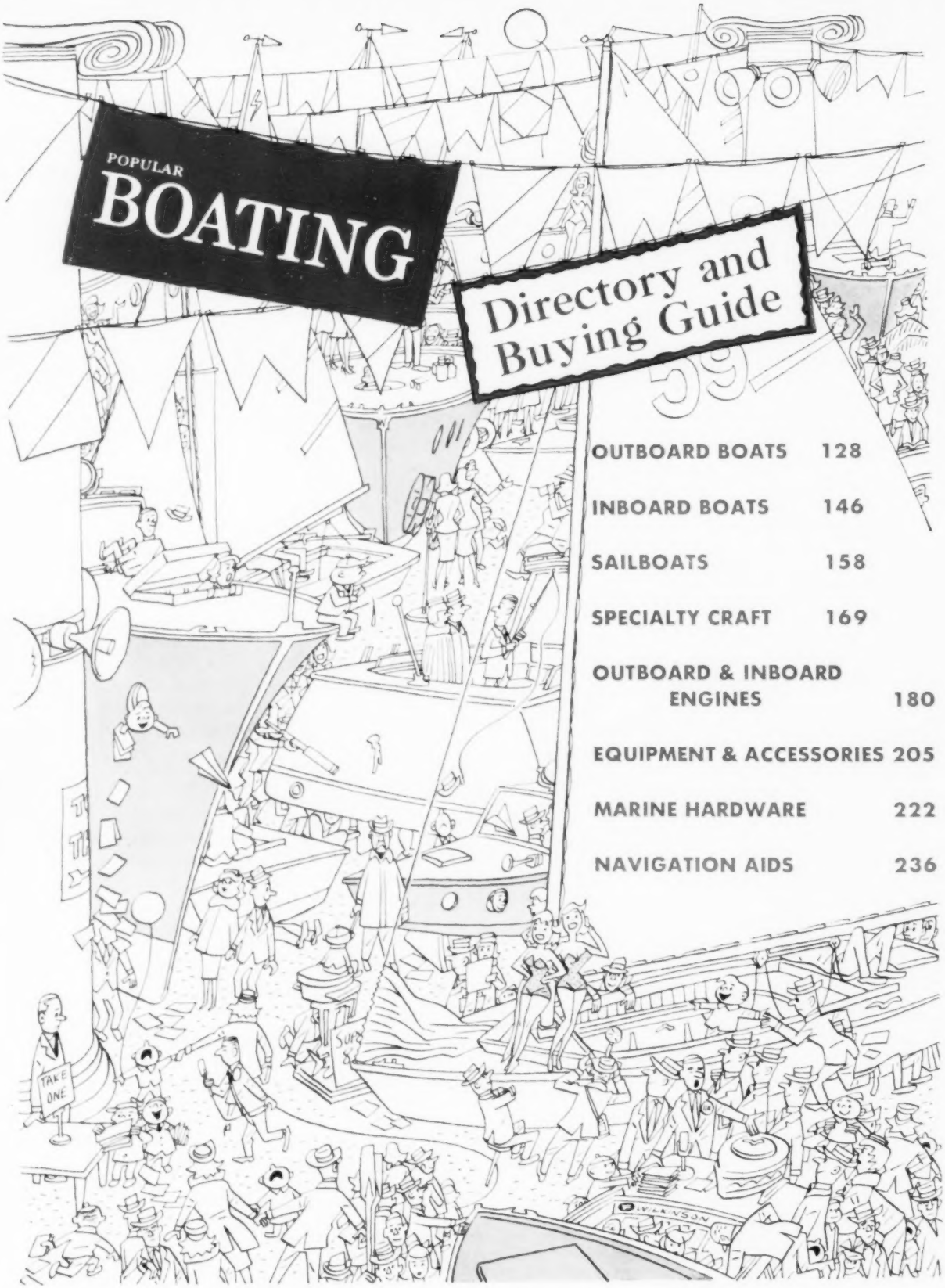


Easy to make of discarded material, this substantial buoy will last several seasons and safeguard many boat bottoms and propellers.

EVERY motor boating enthusiast realizes the hazardous obstacles offered by shallow reefs and rocks that extend just beneath the water's surface. You can mark channels through such obstacles with diminutive buoys, pictured here.

They will not only provide a practical aid to navigation, but will also serve to mark good fishing spots or help to locate the home port or boat dock at night or during foggy weather. All you need to make your own buoy are a truck tire inner tube, a bushel basket, broom stick and several lengths of rope. As shown in the accompanying photo, the bushel basket is inverted and roped to the innertube. A broomstick with flag tacked in place is inserted through the bottom, and the buoy is anchored with a bucket full of cement.

Such a marker can be gaily painted and will last for several seasons, remaining afloat for months without any adjustment. Best of all, it is easily assembled and costs little, since discards can be used. Anchored along the channel to mark obstacles, it will help guide area boats safely along.—DON SHINEK



POPULAR

BOATING

Directory and Buying Guide

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1959 MARINE DIRECTORY AND BUYING GUIDE

Presented on the following pages are the more than 3,500 listings of new products for the boatman which make up this year's POPULAR BOATING *Directory—the largest and most complete buying guide ever prepared for the pleasure boating field. Items described, in most cases, represent selections from each manufacturer's extensive line, and offer ready reference for sources of similar equipment.* POPULAR BOATING *wishes to thank all branches of the marine industry for their cooperation in the preparation of this special annual issue.—The Editors*

How To Use This Special Issue:

BOATS

NEW BOATS are listed alphabetically according to manufacturer, and are divided into outboard, inboard, sailboats, kit boats, and novelty craft classifications. Models from each company are listed according to size, and those whose announcements were not received in time for normal cataloging will be found at the back in the late-arrival sections. Since prices and specifications are listed whenever possible in this Buying Guide, they should be checked with your local dealer since shipping costs and other factors can cause variations.

MOTORS

OUTBOARD AND INBOARD powerplants should always be selected in direct relation to the type of craft which will carry them. Check carefully with the manufacturer's engine recommendations as listed here in the boat sections; disregard of proper matching between motor and hull continually leads to poor performance and dissatisfaction. After selecting here the engine that most nearly meets your needs, consult your local dealer, plus both boat and engine manufacturers as well if necessary.

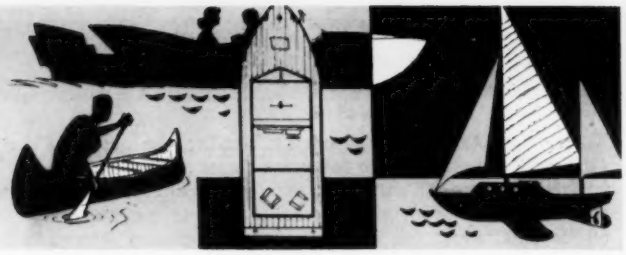
EQUIPMENT AND ACCESSORIES

FEW pastimes match the boatman's pleasure in selecting the best in equipment for his boat. Use the manufacturers listed here as the source for additional items and fittings you may need—many have extensive stocks and can send you free or for a nominal charge their catalogs listing many more products. Choose your accessories from those especially made for marine use; only these can be expected to stand up under exposure to water and weather.

SPECIAL SERVICES

DO NOT overlook the excellent booklets and instructions available from paint, fiberglass, rope, gasoline, lumber, insurance and other companies listed here. All are in business because boatmen have found their products are particularly suited to marine use; all profit by telling you how to best use their products, and how to make your boating safer and better. Study their names; contact their dealers for their special aids, or write to them direct.

BOATING 1959



THIS YEAR will mark both major and minor steps in pleasure boating's progress. The pages which follow show that boats and equipment are improving in both construction and styling.

Boats, particularly small runabouts, now take advantage of the materials from which they are made. Where once the metal and plastic craft tried to pretend they were made of wood, now they no longer have to imitate but, instead, take advantage of each material's characteristics. Early fiberglass boats copied the hard chines and sharp transom angles of the wooden boat. Note that now these corners are rounded off, as plastics can do so well, and at the same time abrupt radii are prevented—areas where plastic could fatigue and fracture in boats of a few years ago.

This year's aluminum and steel boats are much less subject to corrosive electrolysis; improved paints, sealers and anodizing are helping to lengthen greatly the life of metal craft that will be purchased during 1959.

Planked craft, sheet plywood, and molded ply all incorporate new sealers and plastic paints and coatings that will add notably to the life of any wooden boat you buy. The lapstrake sea skiff designs with their seakindly qualities are enjoying a new popularity. You will find many more models available in the pages which follow. Wooden boats never were quite so susceptible to wild tailfins and vagueries of design; other boats this year seem to be returning to the good traditions inherent in lines first developed around construction of wood.

The new higher output power plants of this year, however, are forcing a true challenge on craft made of all materials. Particularly outboard motors, with their horses clamped on transom, bracket, or outboard well, are exerting thrusts which have destroyed boats in past years and will cause even more trouble in '59 among boats that do not have sterns beefed up to take these extra stresses. As with any product, talk to other boatmen owners about their experiences once you have selected the specific craft for your local waters.

Do not shy clear of more power this year, however. Higher speeds can take you farther when calm water conditions permit, and greatly enlarge your area of operations. Too many boatmen turn down horsepower with the comment that they "will never want to race," and in the process limit their boating activities to the same old harbors and shorelines.

A trend that is showing new popularity on a limited scale is the twin-hulled type craft. Resembling catamarans, sea sleds and other older forms, the newest adaptations have appeared as runabouts, cruisers, sailboats, and even twin-pontooned houseboats. Adherents claim a smoother, more stable ride, and for the boatman who likes to experiment with new boating theories or merely keep up with them, the catamaran developments will be interesting to watch throughout the coming boating season.

Larger inboards and cruisers are not afflicted with the styling extremes that seem contagious with small craft, and hence have fewer unsuccessful designs from which to recover. Changes in cabin cruiser models this year, as indicated in the specification on the pages which follow, are mostly interior improvements in accommodations. Here fiberglass is appearing in prefabricated galley sinks, shelves, toilet rooms, and storage compartments. Hard plastic-surfaced counter tops and work areas, as ashore, are simplifying housekeeping. Installation of convertible electric systems which will operate on batteries and generators offshore, conventional current at the dock, have made it possible to bring improved electronic navigation aids as well as many possibly less welcome shoreside appliances aboard. But the advantages of the newly announced miniature radar and sonar sets, as well as ship-to-shore radios and depthfinders, help compensate for the dubious pleasures of offsoundings vacuum cleaners and television sets.

Boats of every size are becoming safer should disaster strike and the craft take enough water aboard to swamp. Styrofoam and the new foaming-in-place plastics are adding substantial flotation to keep boats afloat. Fortunately, with small craft, flotation chambers and blocks are now being placed more and more up under decks so that once filled with water, the boat will not capsize but float upright. Flotation blocks can also be bought by the boatman for addition to older craft, or installation in boats under construction.

Kit boats to build are available in even wider variety, as might be expected, and the boatman with modest means, a good deal of time, and the urge to construct, can wind up with a boat that frequently, when fitted out, does not represent a great saving in money but has been made possible because the cost of the project was spread out over a longer time.

This year will already see some of the benefits from last season's exciting revival of the America's Cup contest. Super-strength epoxy-type paints, light-weight fittings, lines, sails, and gear that successfully withstood the campaign will now become available for use of the average boatman. This Buying Guide's hardware and accessory directory sections list items that had their first trials off Newport.

The year ahead promises to be a great one for the boatman. The offsprings of the marine industry, as presented here, prove that in 1959 there should be boats, motors, and equipment available to provide fun afloat for almost every phase of the sport.

OUTBOARD BOATS

MOST VERSATILE of pleasure craft today, the outboard boats shown on the following pages will be able to offer more fun and safety than ever before. Sizes can range from a six-foot playboat for the youngsters up to a 60-foot houseboat for living aboard in sheltered waters. Outboard power to match is shown in the Engine Buying Guide section. Almost any boat not already planned for outboard power can be adapted to it. Brackets which can be clamped on the side of a canoe or bolted to the transom of a sailboat can replace oar or windpower. Even if you are only shopping for a fishing skiff to row around, check to be sure that it can take the ubiquitous outboard at a later date. Only the outboard can run up on any beach with the motor tilted up out of harm's way, and later have the powerplant carried home for servicing or storage.

Where Will You Use It?

Choose an outboard that can handle many kinds of water. Outboard powered boats are usually perfect for trailing, and many a buyer has found that the runabout he bought to use on the local lake ends up behind the family car heading for a seashore vacation. Because of the speed of today's boats, it is easy to get far offshore where sudden squalls can mean trouble. Your boat must be one which can get you safely back to shore wherever you may be boating. Freeboard, the height that the sides of your boat extend above the water, can keep out waves that want to climb aboard if yours is a stable hull. Bigger craft carry more freeboard not because they need it to keep afloat but to fend off larger seas when they get into rough water. Will the boat you want take a 20-inch rather than a 16-inch motor drive shaft? The longer length allows a higher transom cut-out and less chance of a following sea flooding in. And does your model have a self-bailing motor well so that any water which may come aboard from astern will run right out again? Even in calm water, an outboard run rapidly in reverse can start taking water over a low transom cut-out.

If, on the other hand, you plan primarily for sheltered water use and want a light boat that can be easily carried and launched, examine the aluminum, canvas, and wooden car top craft that can be carried without a trailer. This year's aluminum alloys will be even more resistant to the elements, and while still preferred for fresh water use, they can be used satisfactorily on salt water as well. If the metal boat will be left afloat in salt, check with your boat and paint dealers to find an anti-fouling paint which will not cause a threat of electrolysis corrosion with the hull. And as with any non-wooden boat, be sure that proper flotation has been provided to keep boat, motor, equipment and passengers afloat in case of swamping.

Where your boat will be constantly exposed to the weather and maintenance can be a major problem, consider the advantages of a wood or plywood hull covered with fiberglass, or an all-plastic boat. Craft made of this miracle synthetic are finally coming into their own; do not, however, demand the impossible from them. Good fiberglass boats may need less upkeep than other kinds, but do not expect them to be completely damage-proof or necessarily cheaper. A few years ago when these boats first started appearing on the market, builders were not well acquainted with the special qualities of the material and came up with sharp corners that could fatigue, resin-starved lay-ups that could leak, hull forms that were insufficiently stressed with longitudinal stringers and hence worked excessively. While these major faults have, for the most part, been corrected today, it is still as always wise to study boats that have proven successful in your local waters, ask your dealer for names of owners whom you may talk to, and then have him give you and your family a demonstration ride so you can decide for yourself.

When?

Ask yourself honestly how long your boating season will be and how many weekends you will plan aboard. Many an owner has chosen a runabout for afternoon water-skiing and then wished he had an outboard cruiser so he could sleep aboard and take longer trips. Will you be using the boat when you have friends of the family along? Select a hull that can safely carry a crowd if you have this kind of entertaining in mind. Will you use the boat on cool days as well as warm? See if a convertible top is available to shield you from chilly winds and rain, and one that can be screened in for mid-summer mosquito protection. Will you want to combine fishing, camping, cruising, and water-skiing? An outboard can be selected that will handle all these sports if you make the proper choice in advance. And keep in mind that the boat made by a reputable manufacturer in a model that is well liked in your local waters will get the best resale price when you trade it in.

CHECK LIST FOR THE OUTBOARD BUYERS

- ☐ **Is the boat you are considering made by a recognized boat builder?**
- ☐ **Have you discussed performance with owners of similar models?**
- ☐ **Is this a style which has proven seaworthy and popular on your local waterways?**
- ☐ **Has the construction material (wood, canvas, metal, fiberglass) proved to be durable and requiring minimum maintenance in your area?**
- ☐ **Will it trailer easily?**

Hull Speed

- ☐ **Does this boat have a reputation for top performance using recommended horsepower?**
- ☐ **Is it specifically recommended for water skiing?**
- ☐ **Can the transom take twin motors if desired?**
- ☐ **Is the boat recommended for planing speeds, or is it a heavier displacement type?**
- ☐ **Is it known to handle well in turns or does the chine tend to trip it?**

Hull Safety

- ☐ **Is there enough freeboard and stability so that waves will not wash aboard?**
- ☐ **Is the transom cut-out 20-inches for the safer long-shaft motors?**
- ☐ **Is there a self-bailing motor well?**
- ☐ **Is the windshield of safety glass or shatter-proof plastic?**
- ☐ **Is adequate flotation provided, preferably under the decks so that the boat will not capsize if swamped?**
- ☐ **Is the transom firmly installed with knees, breast hooks, and braces so that it can handle the thrust of the motors?**

Accommodations

- ☐ **Can passengers sleep aboard?**
- ☐ **Can a top be rigged for sun, rain, and mosquito protection?**
- ☐ **If an outboard cruiser, does it have a marine toilet?**
- ☐ **Does it come with legally required lights, life-preservers?**
- ☐ **Is there storage area for extra gas cans, battery, anchor and lines?**

AERO-CRAFT HARWILL, INC.
400 WATER ST., ST. CHARLES, MICH.

BLUE-SABRE
16'x68" sport cruiser featuring convertible nylon top, 19" windshield, steering, upholstery, lights, gas tank and battery platform, handles, automatic bailer, 2 seats, transom. Approx. weight 375 lbs. Max rating 70 HP.

ADVENTURER A-18
18'x78" cruiser, specifications and equipment similar to "Adventurer AD-18" less convertible top, upholstery, lights.

ADVENTURER AD-18
18'x78" cruiser, capacity 10 persons. Features reversible front seat backs, marine plywood floor, storage compartment, side pockets, convertible nylon top, 19" windshield, complete steering, upholstery, lights, handles, automatic bailer. Approx. weight 575 lbs. Max. rating 95 HP.

SEA-DART
14'x58" runabout with semi-V bottom, panoramic windshield, complete steering, automatic bailer, power thrust transom. Approx. weight 175 lbs. 2 seats. Max. rating 30 HP.

AERO-GLAS BOATS
WONDERLAND FIBER GLASS BOAT CO., INC.
ST. CHARLES, MICH.

SUPER SATELLITE
16' runabout with max. rating of 60 HP. Also available: 15' **Venus** priced from $595. Other fiberglass models are also available.

ALUMA CRAFT BOAT CO.
1515 CENTRAL AVE., N.E.,
MINNEAPOLIS 13, MINN.

QUEEN SIXTEEN
16' aluminum family runabout. Will handle motors up to 80 HP. Polished gunwales, wrap-around windshield, walk-through forward seats, upholstery. Choice of hull color combinations available.

EZ BUDGET BOAT
Modified version of Aluma-Craft's Model E, with redwood and styrofoam flotations. Of aluminum construction. Weight 118 lbs., rated to carry a 7½ HP outboard motor.

AMERICAN FINN BOAT CORP.
495 S. GROVE ST.,
FREEPORT, L. I., N. Y.

17' AMERICAN FINN
Constructed of solid, full-length African mahogany planking, steam bent oak ribs on 6" centers, oak keel and stem, opening windshields, forward hatch above space for a head. $1,270. Also available in 15' to 19' models, priced from $895 to $1,450.

AMERICRAFT CORP.
5106 W. GRAND AVE., CHICAGO, ILL.

TITAN
17'x7'2"x45" fiberglass boat features built-in bunks and toilet space, double-bottom, one-piece seamless hull construction and glass-interlaminated transom.

ATLAS
15'4"x66"x29" twin-cockpit outboard runabout has double-bottom, one-piece, seamless fiberglass hull construction with glass-interlaminated transom. Features include center control mount, windshield, and swept back fins.

ANGLER BOAT CO., INC.
PENN YAN, N. Y.

ANGLER KBD
Boat is 14'x52", weight 210 lbs. Takes up to 20 HP motors. Price, $325.

ATLANTA BOAT WORKS
PYLANT ST. N. E., ATLANTA 6, GA.

SEA FLASH
13' sport boat, weight 210 lbs. Seats 3. Wide cockpit, storage space, grille, windshield. Fully equipped.

MATADOR
15' fiberglass family boat with multi-angle seating, rear-mounted console type steering column, cushion contouring. Price, $995.

TORPEDO
14' sport boat fully equipped with gear-steering, windshield, upholstery. Price, $667 including equipment and accessories.

AVALON
15' family runabout with vinyl upholstery, padded dash, extra wide load carrying bottom. Especially suitable for skiing. Windshield and accessories included.

ATLANTIC MARINE INDUSTRIES, INC.
PEMBERTON, N. J.

NEWPORT 14' DELUXE
14'2" x 66" x 28½" fiberglass boat has three decks with center deck walkthrough and motor well, windshield, complete steering and upholstery. Price, $895. Also available in standard model, $735, and utility model, $595.

NEWPORT 16' DELUXE
15'11½" x 74" x 36" fiberglass boat has three decks, center deck walkthrough and motor well, windshield, complete steering and upholstery. Price: $1,125. Also available in standard model, $945, and Cruisette, family and utility model with front driving cockpit, $795.

BARBOUR BOATS, INC.
SOUTH FRONT ST., NEW BERN, N. C.

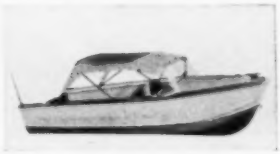
12' UTILITY
12'2"x59¼", hull weight, 210 lbs. Utility for motors from 5 to 25 HP, with top speed of 30 mph at 25 HP. Carries 4, hull mahogany planked. Price, $395 with center deck. Accessories are back rest, brass half oval, steering wheel, windshield, top and side curtains, mooring cover and bow locker.

VACATIONER
15'3½"x66½", hull weight, approximately 400 lbs. For motors from 18 to 35 HP, with top speed of 32 mph at 35 HP. Carries 5, hull mahogany planked. Price, $525. Accessories include back rest, brass half oval, steering wheel, windshield, top and side curtains, mooring cover and bow locker.

16' SILVER CLIPPER
16'3"x6'3", for motors from 35 to 70 HP, at which top speed is 36 mph. Carries 6, mahogany planking, anti-fouling paint, forward and aft cushions, steering wheel, all chrome fittings, stern and bow lights, bow chocks, cleats, chrome bumper guard, plexiglas wrap-around windshield, forward storage compartment, self-draining motor well and cockpit. Price, $1,195. Accessories, are opening wooden windshield, canopy top, cockpit cover, drop curtain, mooring cover, drain plug and optional seating.

SILVER CLIPPER SPORTSMAN
22'x7'6", for motors from 35 to 75 HP, with top speed of 32 mph at 70 HP. Has head, windshield, lifting rings, running lights, cushions, steering wheel, forward storage compartment, anti-fouling paint, all chrome fittings, bow chocks, cleats, chrome bumper guard, self-draining cockpit and motor well. Price, $2,100. Accessories include canopy top, side curtains, cockpit cover with motor pocket, drop curtain, toilet and double bottom.

BARRACUDA MAKWE CO.
33 S. LA SALLE ST., AURORA, ILL.



CONSTELLATION
16'x76" cruiser with transom of 64" width and 20" depth, takes single or twin engines with long shafts only. Depth: bow, 40", midship, 33". Weight 650 lbs. Features 20" windshield, steerer, rigging, upholstered seats, lights, syphon drain, hardware. Convertible top, optional. Takes 70 HP. Price, $925. Other models available: **Miamian**, 15'10"x67" fiberglass runabout with windshield, upholstery, flotation, takes 45 HP, price $798; **Viscount**, 15'6"x65" fiberglass runabout with windshield, flotation, takes 40 HP, price $720; **Dolphin**, 15'x63" runabout with windshield, upholstery, takes 50 HP, price $725; also many others.

BEALL BOAT SHOP
ROUTE 2, SEVERNA PARK, MD.

LAPSTRAKE
15'8"x59" lapstrake utility with 25" depth at bow, ⅜" plywood laps, ½" bottom.

BEALL BOAT
14'x63" molded hull runabout with a 60" foredeck, walk through cockpit, and controls forward.

BELL BOY BOATS
DIV. OF BELLINGHAM SHIPYARDS CO., BELLINGHAM, WASH.

BELL BOY BONANZA
16' luxury runabout available in two models has fully upholstered cockpit, optional built-in 20 gallon gas tank, extra wide beam and self-draining motor well. Manufacturer also offers these models: two 15' Bell Boy Banshee sports special models; two Utility models, and 14' and 16' all-purpose runabout; 14' Bantam budget model; 17' Bell Boy Overnighter with optional convertible top; three 16' model 265 Bell Boys, open runabout with optional convertible top, a hardtop model and Model 265 Express; two model 404 Bell Boys, a 19' hardtop and 19' Express Cruiser, and the 21' Bell Boy Express cruiser with fully enclosed head, two bunks, ice box, sink, mechanical steering system and 44 gallon built-in gas tanks.

BOAT DISTRIBUTION, INC.
BOX 474, CLINTON, N. C.

STARLINER 136SDL AND 156SDL
13'6"x62" beam, sport runabout. 12" wrap-around windshield, steering wheel, motor control block, mahogany plywood deck, bench seats, hardware and molding. Will handle up to 25 HP. Available in lapstrake hull.

STARLINER 160DL
15'8"x84" beam, sport runabout with 42" depth, 700 lbs. weight. Upholstered bunks sleep two. All seats upholstered. Storage space for four 10 gal. tanks. Well for twin motors up to 60 HP. Fiberglass top, windshield, speedometer, steering installed, hardware, lights, motor control block. Also available as stripped offshore model.

BOCK BOATS, INC.
TOLEDO, OHIO

BOCK BOATS
Three all-fiberglass cruisers, 19', 21' and 23', are offered, providing for double bunks and optional head. 19' model, equipped with twin 35 HP outboards, can deliver speeds of approximately 27 mph. All three cruisers can be equipped with inboard power. Flying bridge is permanent-type molded fiberglass.

14' FIBERGLASS UTILITY
14' fiberglass utility model can be used with outboard motors, and is also available in a sail version, with seats running fore and aft.

OTIS C. BORUM BOATS
P. O. BOX 1164, JACKSONVILLE, FLA.

CABALLERO 18
18' all-mahogany runabout has sound-deadening motor hatch, foldaway tables, padded bunk that sleeps three, forward hatch, vented windshield, convertible top, lights, and other features.

BOTVED BOATS
FT. LAUDERDALE, FLA.

CORONET CRUISERS
16'-18'-22' Hardtop Sedan and Convertible models for outboard and inboard power. All models feature open-up panorama windshield, completely covered color-impregnated fiberglass hulls, new "noise ease" motor covers. All have sleeping accommodations for three to four persons. Boats engineered and built by Botved Boats, Vordingborg, Denmark.

BROADWATER BOAT CO.
RT. 214, EDGEWATER, MD.

FAMILY UTILITY "18"
17'3"x88"x37" boat constructed of mahogany cross frames, marine plywood, solid mahogany decks, bronze screws and three transom knees. Available in three models. Prices: Cabin model, with bunks, head, galley, cushions, $1,295; hardtop model, $895, and utility, $695.

BRYANT'S MARINA, INC.
1117 E. NORTHLAKE, SEATTLE 5, WASH.

CLIPPER
One of seven fiberglass-covered fir plywood double-bottomed models, with African mahogany sides, fiberglass decks and cabin tops, aluminum cabin windshields, flying bridge windshields. Three models—the 17' *Challenger*, the 19' *Clipper*, the 21' *Privateer*—are express cruisers with lights, geared steering, bunk pads, hardware, sink and galley cabinet, dinette table, motor well, forward hatch, sliding cabin windows. Clipper has fiberglass cutwater. Three 16' fiberglass boats also available: *Raider*, with upholstery steering, convertible top; *Continental*, with removable hardtop; *Ranger*, a twin-sleep express cruiser.

CADILLAC MARINE & BOAT CO.
FIRST AVE. AND SEVENTH ST., CADILLAC, MICH.

MODEL #1114
14'x62"x23" fiberglass boat with transom measuring 52"x 16". Price, $345. Other models in aluminum, molded plywood, molded ply-lap, and sheet plywood.

MODEL #1876
16'x75"x27½" fiberglass runabout with 60"x20" transom. Price, $1,095.

A. CALVERT & SONS, LTD.
27 MARKET PLACE, HEYWOOD, LANCS., ENGLAND

CALVERT 14.6
14'6"x6'5"x9" cabin cruiser. 3'6" cabin height. Mahogany stem, keel, hog, frames. Silver spruce chines, gunwales, and stringers. Plywood decks, cabin top, topsides, bottom. Parana pine flooring. Wheel and controls optional. Has two 6'3" berths, folding washbasin, hotplate and grill, toilet, removable seats in cockpit. Can be used with outboards from 4 to 18 HP, the 4 HP giving a 5 mph speed and 3½ hours per gallon fuel consumption. 18 HP provides 14 mph speed. May also be used with 4 HP inboard, providing 7 mph and 2½ hours per gallon fuel consumption at full load. Available in kit form. Weight under 700 lbs. Made in England.

CAPE COD SHIPBUILDING CO.
WAREHAM, MASS.

STORMY PETREL
15'x61". Weight, 265 lbs. Freeboard, 24"; depth midship, 2'5". Fiberglass construction. Takes motors 3 to 30 HP. Air tanks provide maximum safety. One piece seat back and bridge deck divide cockpit. Price with equipment shown, $585.

CARVER BOAT CO.
PULASKI, WIS.

CARVER CRUISER
19' cruiser with bunks, ventilating windshield, lights, steering, storage, hardware, built-in boarding ladder. 84" beam. Price, $1795.

HARD TOP
19' sports model with lights, hard top, steering, upholstery, hardware, motor well, ventilating windshield, built-in bunks. Price, $1610. 19' **Commander** also available with or without hard top.

CAPTAIN WALK THRU
Ventilating windshield, padded deck, steering, lights, motor well, hardware, trim, upholstery, walk thru center deck. Length 17'. Price, $1395.

COMMANDER
16' runabout with windshield, steering gear, lights, trim, motor well, and hardware. Price, $1195. A two-tone mahogany finish 16' model is also available at $795.

CASEY CRAFT
P. O. BOX 175, MERMENTAU, LA.

OUTBOARDS
20' outboard is available in five models. All-steel boats have such features as water circulator for keeping bait or fish alive, and reversible back seats for cruising or fishing and skiing. Prices: from $1,045 to $2,995.

CENTURY BOAT CO.
MANISTEE, MICH.

PALOMINO 15
15'1"x67" runabout with 66" foredeck, 32" depth, weight 690 lbs. Freeboard forward, 24"; aft, 19". Curved windshield, automotive-type steering wheel, seats six in two seats. Double-braced hull of African mahogany planking. Hardware, lights, plexiglass windshield, upholstery, storage. Price, $1,405. Takes motors to 60 HP, speeds to 38 mph. Also available, "Roan 15," at $1,425.

CHETEK BOAT CORP.
CHETEK, WIS.

DUCHESS
17' lapstrake runabout with mahogany wood framed windshield with safety glass, walk-through front seat, steering wheel, remote control panel, lights, bailer. 82" beam, approx. weight 585 lbs., capac-

ity 6 adults. Price, $995. Other models available: 14' *Mam'-selle* with mahogany plywood deck, remote control panel, two full width seats, priced from $495 to $695; 16' *Debutante* with similar features plus battery and gas tank platforms, priced from $645 to $845; 18' *Contessa* with wood framed windshield, convertible top, deluxe hardware, priced from $1,245 to $1,395. All models are of lapstrake construction, 5-ply marine fir plywood. Accessories available: ventilating mahogany windshield, $135; self-bailing, built-in motor well for 17' and 18' models, $50.

CHRISBANK CORP.
P. O. BOX 111, KISSIMMEE, FLA.

HOLIDAY BOATS

Line of boats includes 20'6" Kittywake cruiser that sleeps 3 and seats 10. Provision is made for marine toilet and galley unit. Sides, bottom, transom and all seams are fiberglass-covered marine mahogany. Standard equipment includes complete steering, self-bailing fiberglass motor well, Plexiglas hatch cover, deck hardware and transom pad. Other models include 20'6" Sportsman convertible; 18'2" Tarpon convertible and Gull cruiser. Motor recommendations range from 35 to 140 HP. Prices, from $1,270 to $1,970.

COMMODORE BOATS
NEW BERN, N. C.

COMMODORE BOATS

Included in the line are the following: 14' Tern Outboard, the 16' Gull Inboard or Outboard with the inboard featuring Fageol's new 35 HP motor. The 18' Angler, also Inboard or Outboard, with the inboard having Fageol's 80 to 100 HP motor. Also make the 22' Weekender.

CONSOLIDATED GENERAL PRODUCTS, INC.
24TH AND NICHOLSON STREETS, HOUSTON 8, TEX.

REXCRAFT "REGENT"

16' aluminum runabout incorporating styrofoam-filled sponsons in the transom sections. Weight 420 lbs., rated for motors from 22 to 70 HP. Construction features include flush-riveted deck and gunwales; extra heavy double-ribbed aluminum bottom stiffeners; twin-locking stowage compartments; deck hardware; windshield and brackets; steering wheel and rigging; automatic bailer; bow and stern lights. Price approx. $1,095 complete.

COWELL BOAT WORKS
EAST LAKE RD., ERIE, PA.

14' PRIDE

Walk through runabout of lapstrake weldwood royal marine plywood construction. Price, $470.

19' WINDSWEPT RUNABOUT

Runabout features walk through deck, lapstrake Weldwood Royal Marine plywood, motor well. Price, $1425.

CRESTLINER
LITTLE FALLS, MINN.

CRESTLINER 14'

One of a new series of fiberglass models with 35-40 HP motor capacity. Crestliner boats feature construction in fiberglass, aluminum and Royalite safety float. 1959 line includes 35 models.

CRIS-WOOD BOAT CO.
SEEKONK, MASS.

CARTOP

11'x50"x18", for motors to 10 HP. Has aircraft birch molded plywood hull and full length spray rails. Also available in 14'2", 14'8", 15'2" and 16'2" models with "Aero-Jet" 26½ HP inboard. Price: 11' model, $210.

CORVETTE

Has customized interior, upholstered seat backs and life preserver cushion seats. In 3 sizes: 12'2"x61", 14'2"x60", and 15'2"x65". Smallest model takes up to 25 HP, others take up to 50 HP. Features aircraft birch molded plywood hull, full length spray rails and mahogany decks. Prices: 12' model, $456; 14', $555, and 15', $586. Accessories available.

FISHERMAN

In 3 sizes: 14'2"x60", 14'8"x56", and 15'2"x65". Model has walk-through front cockpit and extra large rear cockpit. Features aircraft birch molded plywood hull, full-length spray rails and mahogany decks. Prices: 14', $462; 15', $522. Also 16' with windshield, deck hardware, $750, and 18' with windshield and deck hardware, $850. Accessories for all models include windshield, steering, step pads, running lights, speedometer, remote controls, chrome trim and convertible top.

FIESTA

In 4 sizes: 12'2"x55", 14'2"x60, 14'8"x56" and 15'2"x65". Runabout has full center deck, 2 cockpits and motor well. Hull is of aircraft birch molded plywood, and features full length spray rails and mahogany decks. Smallest model is recommended for use with 20 HP, other models can take 50 HP outboards.

HOLIDAY

In 3 sizes: 12'2"x55", 15'2"x60" and 15'2"x65". Boat features 3 seats with removable backs. Smallest model suitable for 20 HP motors, 2 larger models for 50 HP motors. Runabouts have aircraft birch molded plywood hull, full length spray rails and mahogany decks. Prices: 12' model, $326; 14' model, $396, and 15' model, $458. Accessories are available, including windshield, complete steering, step pads, running lights, speedometer, remote controls, chrome trim and convertible top.

CROSBY AEROMARINE CO.
GRABILL, IND.

SWEPTFIN

14' sportster with molded-in 3 place seat, engine well, handles, rub rail, storage, upholstery, lights, steering and windshield. Takes up to 48 HP. Price, $999. 14' fishing boat "Angler" also available, $559. Other models from 19' to 14' available.

CAPRI

16'x70"x35" fiberglass boat seats 6, has walk-through front seat and broad rear seat. Recommended for motors up to 95 HP. Boat features foam flotation poured under decks and wiring molded into hull or deck to prevent damage.

CRUISETTE

17'10"x77"x36" cruiser sleeps 2, has galley and head. It can be used with motors up to 95 lbs. Features include foam flotation poured under decks, and wiring molded into hull or deck to prevent damage.

RANGER

18'2"x85"x42" all-fiberglass boat has maximum load capacity of 3,000 lbs., and is recommended for use with motors up to 150 HP. Foam flotation is poured under decks and into other out-of-the-way places, and all electrical circuit wires are molded into hull or deck to prevent damage.

VOYAGEUR

19' Fiberglass sedan cruiser with toilet, galley, convertible bunks, tilt-up windshield, open rear cockpit, hatch, hardware, lights, and rub rail. Price complete, $2,359. Will handle 150 HP. 19' runabout "Baycomber" also available, price $1,879.

ANTIGUA

25' cruiser is all-fiberglass, sleeps 4 and has dinette. Available in either inboard or outboard version. Features include foam flotation poured under decks, and wiring molded into hull or deck to prevent damage. Also included are windshields and positive steering instead of cable.

CROWNLINE MFG. CO.
ONARGA, ILL.

CROWNLINE BOATS

Fiberglass boats come in 5 lengths, from 14' to 18', and in 4 widths, from 66" to 86", each with semi-vee bottom, double-flared sides and wide splash rails. Variety of seats is offered; with or without built-in self-bailing motor well. Accessories are available, including trailers with 8 models.

CRUISERS, INC.
OCONTO, WIS.

MODEL 150 HOLIDAY

13'2"x64" runabout with 62" transom width, 56" deck length, 400 lb. weight. Rated at 10-45 HP, capacity 796 lb. Features cockpit, upholstered step-through front seat, upholstered backrest and rear seat compartment, wraparound windshield, steering controls, fender moldings, lights, hardware, additional storage aft.

14' MARINER

13'2"x14' (around gunwale) x 64" beam x 28" depth amidships. Outboard runabout constructed of ¾" five-ply fir plywood on oak, with Philippine mahogany transom and trim. Fastened with brass screws and bolts with full length mastic sealed seams. Designed to plane with 10 HP motor; OBC Certified HP, 10-45. Weight 320 lbs.; suggested capacity, 796 lbs.

DORSETT PLASTICS CORP.
845 REED ST., SANTA CLARA, CALIF.

"SANTA CRUZ" RUNABOUT

20'6"x90½" offshore fisherman runabout has "Iso-Glas" hull and features storage compartments, vinyl upholstery, running lights, factory-installed steering and built-in 18 gal. gas tank. Walk-through seating is included.

LEXINGTON

16'10"x78½" luxury runabout has hull of "Iso-Glas," and features storage compartments in seat backs which form table, and vinyl-upholstered walk-through seating. Also available is 17' "El Rey" runabout with similar features.

EL DORADO

15'x72" runabout has "Iso-Glas" hull, padded vinyl interior side paneling, foam rubber seats and storage compartments fore, aft and amidships. Also available is similar "Belmont" sport runabout, 14'6"x 72".

DUNPHY BOAT CORP.
OSHKOSH, WIS.

SENIOR SKI RIDER
16′ molded mahogany boat is one of largest of similar models offered by manufacturer. All ski boats feature a stern facing seat, ski racks, tow line drying racks and tow hooks. Series of boats includes 16′, 14′6″, 14′2″ and 14′ models. Prices, from $395 to $1,125.

BLUEWATER
18′6″x84″x42″ boat is largest of lapstrake line offered by manufacturer. Oak-reinforced transom will handle single or twin outboard installations up to 140 HP for speeds to 42 mph. Features include forward deck hatch, stern lockers, sea chest and mahogany-framed windshield. Seven models in four hull sizes are available, including 13′2″, 14′6″ and 16′ boats. All models have double-ribbed bottoms. Price, Bluewater, $1,395.

DURATECH MFG. CO.
RT. 202, PEEKSKILL, N. Y.

VEELINE
Series includes two 12′ outboard runabouts, one with bonded vinyl "Duradeck," and one 14′ runabout. Features include three extruded keels, extruded hollow gunwales, "Thrustmaster" transom and Styrofoam filled aluminum seats. Prices: 12′ models, $249 and $299; 14′ model, $279.

SEALINE
Series includes 4 runabouts and 1 utility, in 14′ and 16′ lengths. Various models feature extruded spray rails and bottom keels, "Duradeck" side decks, "Thrustmaster" and standard transoms, and plexiglass windshields. Prices: from $375 to $773.

S-179 OVERNIGHTER
17′ aluminum runabout, sleeps two; toilet, top, chairs available; will handle up to 80 HP including twin motors; price, including steering, upholstery, 19″ windshield, hardware, lights, etc., $1,199. Additional accessories available.

DURATECH ALUMINUM BOATS
Full line of aluminum boats, 14′ to 19′, $375 to $1,439. Model S-199 "Weekender" is available in 17′ and 19′ sizes; sleeps four, with toilet, windshield, plywood floors, upholstery, storage, self-bailing motor well, 140 HP rating. Accessories available for all models: convertible tops, curtains, etc. Prams also available, $174 up.

GLASS MAGIC LINE
Full line of fiberglass boats, 12′ to 19′. 19′ "CRUISMASTER" with 8′ beam has 130 HP rating, and features top, bunks, and upholstered seats. Models rated 50 HP or more are available in 15″, 17″, or 20″ transom heights to match engine.

FABUGLAS CO.
312 JEFFERSON ST.
NASHVILLE 8, TENN.

MODEL NO. 5916 IMPERIAL DELUXE
15′11″x74″x37″ fiberglass one-piece boat hull has side seating and double center bottom. Recommended for use with a maximum of 70 HP for one motor, boat has shock-absorbing gunwale guard and side and bow tank flotation. Price: $1,199. Also available in Special model, $974, and Standard model, $874. Accessories available for all models.

MODEL NO. 5914 CLIPPER DELUXE
14′1″x70″x33″ fiberglass boat has one piece hull and decks and double-bottom flotation stem to stern. Features include shock-absorbing gunwale guard. Recommended for use with 60 HP maximum for one motor; boat weighs approximately 500 lbs. Price: $930. Also available in Special model, $774, and Standard model, $694. Accessories available for all models.

MODEL 582 DELUXE
14′2″x60″x28″ fiberglass boat features include upholstered seats with Styrofoam flotation, wrap-around windshield (not installed) and mounting platforms for battery and gas tank. Weight is approximately 460 lbs. Price, $849. Utility model #FU-58-1 dimensions are 14′2″x60″x19″. Price, $425. A hunting model, #F-59-1, with similar dimensions, is available. Price, $374.

FEATHER CRAFT, INC.
450 BISHOP ST., N.W.
ATLANTA 13, GA.

LA SIRENA
14′½″x67½″x34″ fiberglass runabout is recommended for use with up to 60 HP outboard motor.

SKI-BO
14′9″x66″x32″ aluminum sports runabout is recommended for use with motors up to 47 HP.

CISCO
13′10″x58″x27″ aluminum fishing boat is recommended for use with motors to 18 HP.

ISLANDER EXPRESS
17′x86″x42″ aluminum outboard cruiser can take motors up to 100 HP.

FINE-CRAFT
1901 MAGNOLIA RD.
ALDERWOOD MANOR, WASH.

FINE-CRAFT 19′ CRUISER
Sleeps two; has folding table, cabinets, enclosed head, 5′ cabin headroom. Duraply marine plywood hull, oak framing, fiberglass hardtop, aluminum windshield frame. $1,695. Also available: 21′ cruiser, $1,895.

FISHER-PIERCE CO.
MARINE DIVISION, 170 PEARL ST.
S. BRAINTREE 85, MASS.

BOSTON WHALER
13′6″x5′5″ boat weighs 275 lbs. and can carry 4 to 6 adults. Recommended for use with motors up to 35 HP, at which top speed is approximately 33 mph; boat has double fiberglass hull 2″ thick, with entire cavity filled with rigid polyurethane foam plastic. Features include varnished seats and locker tops, forward and aft, of mahogany or Spanish cedar. Price, Cox'n model, $545. Also available in Bos'n model, with seats moved 2″ ahead, steering box behind the front seat with steering wheel and cables installed, $635.

FLOTEL
1 MAIN ST., RICHMOND, IND.

SUN TAN SPECIAL
15′x7′. Triple hull outboard has 9 water-tight compartments, is of aluminum construction and has harborite decks. Weight, 485 lbs. Price, about $675.

FLYING FINN, INC.
527 LEXINGTON AVE.
NEW YORK 17, N. Y.

GULFIN 16
15′6″x74″, weight 550 lbs. Recommended 20 to 40 HP motor. Top speed 32 mph with 40 HP. Carries 5. Construction lapstrake to keel, copper rivets and full keel. Price, $895 F.O.B. N. Y. including windshield. Accessories: cushions, convertible top, side curtains, back and 550 lb. approx weight.

BAYFIN 17
16′9″x76″, weight 650 lbs. Recommended 35 to 50 HP motor. Top speed 30 mph with 50 HP. Carries 6. Full keel, copper rivet fastenings, lapstrake to keel. Price $1,095 F.O.B. N. Y., including windshield. Accessories: cushions, convertible top, side curtains, back curtain, mooring cover.

SEAFIN 19
18′6″x82″, weight 850 lbs. Recommended single 35 HP to twin 35 HP motors. Carries 6. Construction lapstrake to keel, copper rivets, full keel. Price $1,350 F.O.B. N. Y., including windshield. Accessories same as "Bayfin 17."

SEAFIN 21
20′8″x90″, weight 1,000 lbs. Recommended single 50 HP or twin 35 HP motors. Carries 7. Construction lapstrake to keel, copper rivets, full keel. Overnight accommodations. Price $1,765 including windshield. Accessories same as "Bayfin 17."

GENERAL MARINE CO.
6 and OAK STS.
ST. JOSEPH, MO.

CONTESSA M-414S
14′x60″ sports runabout for family and fishing. Philippine Mahogany plywood construction with two-tone decking. Weight 330 lbs.; will handle motors up to 60 HP. Seats 5. Price, $530. Other models available in this line from 14′ to 17′, in mahogany or fiberglass, prices starting at $485.

NAMDRAH M-118
17′9″x72″ runabout with batten-frame and Philippine Mahogany plywood construction. Two-tone decking. Weight, 425 lbs. Seats 6. Takes motors up to 70 HP. Price, $845.

GLASS CRAFT BOATS, INC.
FORT DODGE, IOWA

AERO DYNAMIC CITATION
15′4″x66″ family boat featuring deluxe upholstering, one-piece fiberglass hull, and a rating of 100 HP. Price, $1095. Other models available, including a hard top "Imperial" for $1,695.

AERO DYNAMIC SPORTSTER
14′6″x64″ fiberglass runabout suitable for water skiing. Features an open rear cockpit for fishing or storage. Made in one-piece non-flexing hull with built in keel and spray rail. Has maximum rating of 45 HP. Price, $695.

GLASS MAGIC, INC.
2730 LUDELLE ST., FORT WORTH, TEX.

NOMAD
12′3″x45″x16″. Weight approx. 140 lbs. Fiberglass utility boat for hunting and fishing; has sloping sides for easy paddling or camouflaging. Takes up to 12 HP motor.

CUSTOM ROYAL
14′x66″x30″. Weight approx. 425 lbs. Luxury runabout of fiber-

glass construction completely outfitted in gold, silver and white. Features Naugahyde covered foam rubber seats, upholstered side panels. Takes up to 50 HP motors. Also available in 14-foot line: "Vixen," low-cost runabout; "Skimaster," ski-tow boat; and "Playmaster," center deck runabout.

RANGER
17'x87"x44". Weight, approx. 700 lbs. Will take up to 100 HP in twin installations. Available with twin bunks to sleep two. Fiberglass construction. 17' Surfmaster runabout with accessory fiberglass hardtop also available.

VOYAGER
19'1"x8'x48". Weight approx. 1,500 lbs. Cruiser will take up to 130 HP motors. Sleeps four, has provision for galley, toilet and storage. Fiberglass construction. 19' Cruisemaster runabout with optional fiberglass hardtop also available.

PLAYMASTER
Fiberglass runabout is OBC rated at 50 horsepower; will attain speeds to 33 mph. Available only in solid white with gold and chrome trim.

GLASSPAR CO.
19101 NEWPORT AVE.,
SANTA ANA, CALIF.

MARINER
19' cruisers with double-bottom hulls, available in 3 models: *Club Mariner* has flying bridge with optional canvas top, marine head covered by flip-top sink and faucet connected to a 17½-gallon water tank; cabin has two upholstered berths forward and transom seat aft. Price $2695. *Sport Mariner*, at $2450, and *Mariner*, at $2250, featuring upholstered transom seat aft, and four individual upholstered seats.

AVALON
16' fiberglass runabout with double-bottom hull. Available with standard marine mahogany seating (two individual seats forward and full-width seat aft) at $895, with upholstered seating at $995, and deluxe individually upholstered back-to-back seats and full-width rear seat at $1195.

TRIDENT
15' all fiberglass boat designed especially for choppy waters. Available in 3 models: *Standard* has two individual seats forward, one double seat aft, in marine gray mahogany. Price $895. *Upholstered* has candy-striped upholstery. Price $995. **Deluxe** has upholstered seating fore and aft, rakish deck styling with windshield. Price $1195.

LIDO
14' raised deck runabout of fiberglass, available in 3 models: *Sport Lido* has sloping afterdeck, candy-striped upholstery. Price $775. *Standard Lido* has marine gray mahogany seats. Price $595. *Deluxe Lido* offers upholstered seats in same arrangement as the Standard. Price $695.

GRUMMAN BOATS, INC.
MARATHON, N. Y.

GRUMMAN DELUXE RUNABOUT
15½' Grumman Deluxe Runabout of aluminum construction. Features fitted back and seat cushions. Weighs 255 lbs. Rated to carry up to 40 HP Outboard Motors. Three deck plans to choose from: open, walk-thru, and full center. Steering wheel can be mounted on either the port or starboard side of midship bridge, or on the forward dashboard. Wrap-A-Round Windshields are available.

CARTOPPER
A 12'3"x4'1" portable fishing boat with keels and gunwales of solid extrusions and all under water riveting of the flush head type so no heads will shear off when beaching. Up to 5.5 HP should be sufficient to propel this boat. Weight, 87 lbs.

STANDARD OPEN DECK MODEL RUNABOUT
The 14'6"x5'2½" runabout with forward deck and seats only, can be supplied with combination wrap-a-round windshield and folding canvas top can fold down and stow inboard of the windshield. Front seat steering can be installed as an accessory. Powered with a 30 or 40 HP motor, can tow 2 to 3 water skiers at a time. Good performance may be expected using a 15 HP motor. Triple keels and flush head rivetting are features. Weight, 255 lbs.

G-19 SPORTSTER
Grumman 19-footer hardtop for over-nighting, cruising, fishing or hunting, and water skiing. Of heavy gauge, aluminum alloys and rigid, construction, the new Grumman 19-foot hardtop is rated to carry up to 100 horsepower (2—50HP) outboard motors. The G-19 Sportster is also available with convertible Navy-Top.

FISHERMAN
14½' (Gunwale Length) Fisherman features a hull arrangement providing space for gas tanks and fishing gear. An optional half-deck arrangement permits forward steering—easy access from bow to stern.

Specifically designed for rough waters. Weight—160 lbs. With 15-20 HP the "Fisherman" is capable of towing a water skier. Also car-top boats, canoes, dinghies and other outboard runabouts available.

HENRY HARVEY & SONS
8000 STANSBURY RD.,
DUNDALK 22, MD.

100 SERIES
16'x5'9" with 31" freeboard. Approx. weight 435 lbs. Construction: oak frames, sheer, chine, stem; mahogany plywood transom; bottom and sides ⅜" mahogany plywood. Features seat backs, handles; windshield, steering assembly; lights optional. Price, $675.

200 SERIES
16'x5'9" with 31" freeboard. Approx. weight 450 lbs. Construction: oak frames, sheer, chine, stem; mahogany plywood transom; bottom and sides ⅜" 5-ply mahogany plywood. Features upholstered seats, hardware; windshield, steering assembly; lights optional. Price, $1,085.

21' CRUISER
21'x8' with 44" freeboard. Approx. weight 1,700 lbs. Sleeps 3. Construction: ⅜" 5-ply marine plywood bronze fastened on "oversize" frames. Features 2 foam mattresses, forward hatch, water tank, galley, ice box, stove, enclosed private bath, light, adjustable windows. Inboard model also available with 70 HP Gray marine engine.

HOLIDAY PLASTICS, INC.
1301 FAIRFAX TRAFFICWAY,
KANSAS CITY, KANS.

HOLIDAY PLASTICS UTILITY
8' fiberglass utility outboard rowboat with 13" transom, flotation. Weight 65 lbs.

INDUSTRIAL SHIPPING CO., LTD.
MAHONE BAY,
NOVA SCOTIA, CANADA

PACESHIP KEELSO
15'x62"x26". Weight, 393 lbs. Will take up to 35 HP motor. Gross load capacity, 989 lbs. Designed by Richard Cole. 5-ply molded hull construction.

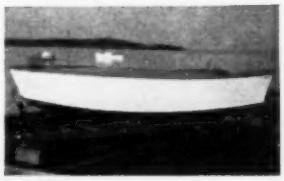
PACESHIP PRIVATEER
16'x68"x31". Weight, 528 lbs. Takes up to 50 HP motor. 5-ply molded birch hull. Designed by Maurice Robar. Features wide walk-through center deck, self-bailing well, molded dash. Will attain speeds to 40 mph.

PACESHIP NOVA
16'x64"x31". Weight, 481 lbs. Takes up to 50 HP motor. Designed by Lindsay Lord for fishing. Space for fish tanks provided under thwartship seats. Large locker under port forward deck. 5-ply molded birch hull.

INVADER BOAT CO.
GIDDINGS, TEX.

INVADER OUTBOARD BOATS
Line of fiberglass sport boats includes 14', 16' and 17' models. Boats can be used with motors up to 40 HP for the 14' line, to 60 HP for the 16' line, and 80 HP for the luxury Invader 17'.

ISLE-BUILT BOATS
NORTH HAVEN, ME.



SKIM-FISHER
14' utility-fishing-runabout. Built of Royal Marine Plywood with fiberglass reinforced bottom on oak frame. Spray rail, wide flat bottom aft. Will go up to 30 mph with 20 HP motor. Price, $185 less forward deck (forward deck available in kit form at $15).

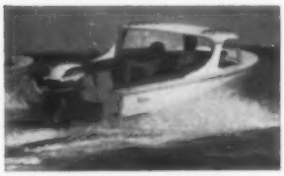
FRED JACOBY BOAT WORKS
1708-40TH ST., NO. BERGEN, N. J.

JACOBY FLYAWAY
Hydroplane with mahogany planking, airplane spruce frames, aluminum alloy outboard steerers, safety shut-off

controls. In sizes from 9' to 10'11" and prices $375 to $500. Wide variety of accessories available.

KAUFFMAN BOAT WORKS
OSPREY, FLA.

ALBATROSS & EXPLORER
16'x80"x40" plywood planked runabouts. Albatross convertible is equipped with 18" wraparound windshield, canvas top, seat cushions, steering rig, deck hardware, running lights.



Explorer is similarly equipped, plus fiberglass top with hand rails, forward hatch, walkthrough windshield. Can take motors of any power. Other models available from 8' to 18'.

KENWAY BOATS
PALERMO, ME.

KENWAY KOMET
Runabout with mahogany plywood hull and decks, brass and copper fastened, chrome hardware, reinforced transom. Semi-round bottom construction. 14' model takes 15-35 HP, price $595; 16' model takes 15-50 HP, price $750.

KENWAY BOATS
Kottager is a family boat in 14' and 16' sizes, for 5-35 HP, $475 and $575; Fisherman also in 14' and 16' sizes, for 10-40 HP, $535 to $645; all boats have same features as Komet. Accessories include steering equipment ($38.50 up), custom canvas covers ($42.25 up), windshields ($35.95 up).

LARSON BOAT WORKS, INC.
LITTLE FALLS, MINN.

LARSON THUNDER-HAWK, SR.
16'x72"x34" (Depth) Runabout weighing 465 lbs. and rated to carry motors from 18 to 80 hp. Fiberglass construction employing the Rand Gun process. Price, $1,040, completely equipped. 24 other fiberglass boats available from 7'9" dinghy to 25' cruiser.

LARSON ALL AMERICAN
16'x74"x37". Larson All American runabout of fiberglass construction available in four

models, also in 14' lengths. Weight 609 lbs. Horsepower range from 18 to 80 HP. Prices from $850 to $1,150.

LARSON FALLS FLYER
15'2"x61"x30". Larson Falls Flyer sports runabout of Rand Gun process fiberglass construction; rated to carry up to 70 HP. Price, $1,025.

LARSON SURFMASTER
19'x84x48½". Larson Surfmaster cruiser available in 3 models: with flying bridge, a convertible, and a hardtop. Sleeps three in bow. Available with head, stove and sink. Weight 900 to 1200 lbs. Horsepower range 35 to 140 HP. Price, from $1,695 to $1,995. 23 other Larson Boat Works boats built of Rand Gun process fiberglass.

LYMAN BOAT WORKS, INC.
1627 FIRST ST., SANDUSKY, OHIO

13' OUTBOARD
13'3"x60". Resembles the open 15' model, and can be equipped with the steering wheel mounted on the amidship deck; starboard side of the walk-through. Designed for motors up to 30 HP, it has, like its 15' sister outboard, easily removable floor boards and is completely varnished on the inside.

15' OUTBOARD
15'2" x 64". Steering wheel mounted in forward cockpit. Uses motors up to and including 40 HP. Available as open or as stern deck model with removable panel for storage. Accessories available: windshield (fixed or ventilating), folding top with snap-on side curtains.

16½' OUTBOARD
16'6"x70". Steering wheel mounted on the front dash and walk-through amidship deck. Handles the biggest outboard motors built. Accessories include windshield, curtains, sport model top, and a recessed motor well with removable bulkhead for concealing the gasoline tanks and batteries.

17' OUTBOARD
17'x77" beam, 32" amidship depth. Stowage space in locker and two compartments. Stern deck, self-bailing motor well, and 15" and 20" transom are available. Stern seat and backrest are hinged so that batteries and five 6-gallon fuel tanks may be stowed under both the seat and stern deck. Fixed or ventilating windshield, top and side curtains are optional.

18' OUTBOARD
Features split backrest with hinged opening in the center, compartment for 25-gal. gasoline tank (tank optional), gas line equipped with standard outboard fittings. Uses single motor up to 65 HP or dual motors of 40 HP.

FRED McCARTHY
SEA-MAC BOATS
RIVERSIDE, N. J.

SEA MAC MODEL 20
20' outboard cruiser built of mahogany plywood, 10-ply bottom and 5-ply topsides, decks, cabin. Available with Navy or Hardtop shelter. Other models available from 8' to 20'.

MAGNOLIA BOAT CO.
VICKSBURG, MISS.

BARRACUDA
16'4"x73" fiberglass runabout. Features forward back-to-back seats, steering assembly, wraparound windshield, cushioned seats, hardware, with hardtops and convertible tops available. Can handle large twin engine installations. Also available: 15', 16', 21' fiberglass runabouts and cruisers.

MERCURY BOAT CO.
PIRU, CALIF.

SABRE
16' runabout of natural mahogany and stainless steel trim. Powered by 118 HP Gray engine. Speeds to 44 mph.

MUSTANG
18' runabout of natural mahogany and stainless steel trim. Powered by 225 HP Gray Fireball engine. Speeds to 55 mph.

MILCO TANK & BOAT CO.
WHITE PIGEON, MICH.

SWANLINE A-4
14'x63" aluminum utility with

flotation. For motors to 18 HP. Price, $339. Also available: Model M-4 14'x56" utility for motors up to 15 HP, $269 fully equipped.

SKI-KING
14'x63" runabout with aluminum hull, welded seams. Walkthrough center deck. Available with or without upholstery. Takes motors up to 40 HP. Standard equipment includes syphon drain, aluminum cast handles, extruded spray knocker and gunwales. Styrofoam flotation. Also available: prams, duckboats, utility boats and runabouts 9' to 14'. Prices, $139 to $399.

SWANETTE S-2
12'x48" flat bottom fishing boat, aluminum construction, two-piece welded hull. Formed aluminum seats, styrofoam flotation, rope cleat, pulley, handles, oar horns. Weight 92 lb.; takes motors up to 5½ HP. Price, $159.

PLAYBOY PB-2
12'x52" aluminum runabout, designed for youngsters. Takes up to 12 HP. Price, $239.

MIRRO ALUMINUM CO.
MANITOWOC, WIS.

MIRRO-CRAFT ALUMINUM BOAT
72" beam, 16' length, 20" transom depth, 32" maximum depth. Boat features rounded one-piece aluminum keel, Styrofoam flotation, triple-braced transom for twin motor installation, longitudinal keelsons and welded aluminum hull. Boat can be used with motors from 17 to 70 HP and can develop speeds over 30 mph. Price, $925.

MODERNE CABINET WORKS
NEW PRAGUE, MINN.

FLYIN' FLIVVER
8'2"x54" fiberglass runabout

features 2 pontoon air chambers and 2 pontoon keels, and is recommended for use with motors from 5 HP to 20 HP. Boat weighs 110 lbs., and can support 700 lbs.

MOLDED FIBER GLASS BOAT CO.
55 FOURTH AVE., UNION CITY, PA.

"MFG" CELORON
15' runabout with 63" mahogany fore deck, two full-width mahogany seats, split forward seat back and open rear cockpit. New model this year features extra hull and transom strength, flotation and aluminum alloy keel. Price: $595. Other 15' models available. "Union": a fisherman model without windshield or seatbacks $545; "Cambridge": similar to boat illustrated $575, and Erie, $615.

"MFG" CORRY SERIES
13' boat available in two models, each with extra hull and transom strength flotation. The Suburban runabout (illustrated) has 53½" deck, while Utility features "tray" type bow seat. Prices: Suburban, $395; Utility, $345.

MOLDED PRODUCTS CO.
COCKEYSVILLE, MD.

WHIRLWIND LINE
Line of 17 one-piece molded plywood boats, featuring a 20' hardtop with beam of almost 8', 38" depth amidship, 42" bow depth, wraparound safety glass windshield, lights, toilet (optional). Other models in 14', 16', and 18' lengths. Catalog on request.

MONTGOMERY WARD
618 W. CHICAGO AVE., CHICAGO 7, ILL.

15' SEA KING
15' Fiberglass deluxe runabout, features clipper bow, fins, upholstery, hardware, lights, windshield, steering assembly, double bottom. Price, $650. Sport model, $595.

16' SEA KING
16' aluminum runabout takes up to 70 HP. Space for dual motors. Windshield, steering assembly, upholstered seats, hardware, lights. Price $795. 14' Model takes up to 35 HP, Price $565.

MOSER FURNITURE CO.
409 FIFTH ST., LYNCHBURG, VA.

MOCRAFT RUNABOUT
16' rough water family runabout for fishing, skiing, cruising. Beam 69". Features side seats, motor mount, molded Honduras mahogany hull. All seats removable for cleaning of boat. Four other models also available, 14'-17'. Also manufacturer of "Moflyte" water skis.

MYCO MARINE
705 E. PLEASANT ST., BELVIDERE, ILL.

MYCO VOYAGER
Fiberglass boat, can be fitted with convertible top, carries single or twin motors. Also available: 16.5 series with 17' gunwale length, 16½' centerline length, 35" depth forward, 72" beam midship, weight 525-625 lbs. depending on accessories, rated to 85 HP. Construction of 3 different glass reinforcing materials and polyester resins. "Ply-Lock" transom construction. Full literature on request.

NATIONAL MARINE PLASTICS
217 N. DETROIT, TULSA, OKLA.

COMMANDO RANGER
16'4"x74"x41" fiberglass runabout seats 6, and is recommended for use with motors up to 140 HP. Equipment includes front and rear upholstered seats, windshield and steering wheel. Price, $1,195. Top, optional, $129.50. Manufacturer offers 12 fiberglass models, ranging from 8' dinghy to a 19' cruiser.

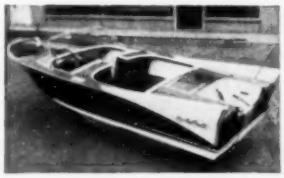
NORTH AMERICAN MARINE
WARSAW, IND.

NORTH AMERICAN 610
12'4"x53"x23" depth. Outboard fishing boat of fiberglass construction. Built for maximum space and featuring built-in flotation. Weight 150 lbs. Rated to carry motors up to 15 HP. Price $249.50.

NORTH AMERICAN 640
14'1"x66"x32" depth. Outboard runabout of fiberglass construction. Features crash padded dashboard and large glove compartments. Weight 420 lbs. Rated to carry motors up to 45 HP. Price $795.

NORTH AMERICAN 945
17'8"x76"x38½" depth. Outboard runabout of mahogany construction with fiberglass hardtop. Suitable for single or twin motor installation. Features built-in folding table, hatch in forward deck. Weight 780 lbs. Rated to carry motors up to 100 HP. Price $1,310 (without hard-top, $1,225). A variety of other models of different sizes also available.

NORTHWESTERN BOAT CO.
19740 W. TEN MILE RD., DETROIT 19, MICH.



CURLYCRAFT FIREFLITE
16' Fireflite model is planked with ⅜" mahogany; bottom is covered with fiberglass. Tailfins and motor well are molded with fiberglass cloth. Price: $1,695, tailfins and upholstering optional.

N-VEE CO.
1538 PLACENTIA AVE., COSTA MESA, CALIF.

PACIFIC PANACEA DELUXE
16' family and all-purpose model. Features windshield, walk-through seat, and self-bailing motor well. Materials same as SKI VEE. Price, $830. 16' Utility model also available.

NAVIGATOR
14' utility, completely fiberglassed and finished. Construction materials same as SKI VEE. Price, $545. Windshield, upholstery, etc., optional.

PACIFIC PANCRUISER
Sleeps three. Features storage compartments, dish racks, forward hatch, sliding side windows, provision for head and galley. Materials same as SKI VEE. In sizes: 16', $960; 18', $1,520; 20', $1,725.

SKEE-NAV
All-new 14' utility. Materials and construction same as SKI VEE. Price, $495.

SKEE VEE
Features long forward deck, pilot's position forward, walk-through center deck, jumper seats facing aft for skier observers. Reinforced oak members, heavy transom construction. In two lengths, 14', $560; 16', $720. Construction materials: Royal Marine plywood, Philippine mahagony and oak completely fiberglassed.

OLD TOWN CANOE CO.
OLD TOWN, ME.

SPORTBOAT
12' long, 48" beam, depth amidships 17", width stern 43", approx. weight 98 lbs. About the same weight range as large canoes. Generally a motor of 2 to 8 HP is used. Ribs and planking are of cedar, trimmings of mahogany, oarlocks, half ribs, painter ring and fastenings of brass. Canvas cover extra. Price, $249.

LAPSTRAKE "16"
Made with planking of ½" thick red cedar, brass-fastened to ribs and frame of ash. Gunwales, transom and deck are of mahogany. Motors recommended 5 HP to 40 HP. An all-purpose boat constructed to meet severe weather conditions. Waterproof cover extra. Dimensions: 15' long, 70" beam, 54½" wide at stern, 36" high at bow, 27" depth amidships, and wt. approx. 350 lbs. Price, crated $615.

OLD TOWN LAPSTRAKE 18
Lapstrake construction is feature of this outboard runabout, which can deliver speeds up to 20 mph with 18 HP motor. Boat is 17' long, with transom cut 20" high with self-bailing motor well for single engine. It is fully equipped, and weighs approximately 800 lbs. All chrome hardware is used, and has walk-through front seat. Price: $1,465. Also available is winter storage cover, $60.

LAPSTRAKE "20"
Made with red cedar planking ½" thick which is brass-fastened to ribs and frame of ash. Mahogany gunwales, transom and deck. An all-purpose boat made to withstand severe weather conditions. Waterproof cover extra. Price, $1695.

ORLANDO BOAT CO.
501 ELWELL ST., ORLANDO, FLA.

MODEL 56-14-ZEPHYR
14'3"x68"x30½" aluminum outboard boat. Transom depth is 15", maximum transom width 56".

ALUMINUM BOATS
16'x73" Fisherman is one of line of aluminum boats offered from 12' through 16', in open utility models and front-seat steering deluxe runabouts. 15' Rapier has enclosed motor compartment and rear seat with full-width seat back, while 16' Camper is equipped with 2 canvas and tubing bunks which can be dismantled and stored when not in use. Camper also has complete canvas enclosure.

17' RAMBLER OVERNITER
17'x85" fiberglass overniter is available in 2 models, both sleeping 2. Features include hatch, chrome running lights, hardware and lift rings. Optional equipment includes

hard or convertible tops and molded-in rear-facing seats. Complete line of trailers is offered also.

OWENS YACHT CO., INC.
BALTIMORE, MD.

15' ARGOS FISHERMAN
15'x66" fishing runabout with 4-6 capacity, 350 lb. weight (approx). Features fully enclosed gunwales, covered transom corners, long forward deck, rubber molding and transom pad, handles, bailer, 2 seats. Max. rated at 50 HP. Price $649. Fiberglass construction with plastic floatation.

15' DELUXE RUNABOUT
15'x69", approx. weight 430 lbs. Fiberglass construction with plastic flotation. Features steering and controls, plexiglas windshield, upholstery, hardware, self-bailing motor well, 2 seats, 4-6 capacity. Max. rated at 70 HP. Price $849.

17' LANDAU
17'x78" fiberglass model with sliding hardtop, sliding side windows. Seats 6-8. Approx. weight 720 lbs. Max. rated at 75 HP (single), 150 HP (twin). Other features include autotype steering wheel, upholstered seats, ladder-hatch forward seat back, integrated cellular plastic flotation. Price, $1,449. Also available as deluxe runabout model for $1,249; and as "Twinsport" runabout, price $1,189.

17' CRUISETTE
17'x80" fiberglass model with cabin, flying bridge, two 6'10" bunks, storage locker, signal mast, light, ventilating windshield. Approx. weight 725 lbs. HP rating same as "Landau," other features similar to "Deluxe Runabout." Price, $1,499.

22' EXPRESS CRUISER
22'x8'5" lapstrake cruiser. Cabin has two bunks and space for ice chest. Water-tight motor well; wheel and cable steering. Equipment includes lights and bailer. Price, $2,999. A 20-foot model is also available at $1,899. 20-foot sports fisherman model, price, $1,499.

PABST BOATS, INC.
1648 LIBERTY ST., LA CROSSE, WIS.

DART 14
14'2"x62"x27" runabout has Hydro Vee bottom of select white oak and African mahogany. It is rated for use with motors up to 48 HP. Price, $698.

ARROW 15
15'4"x66"x30" runabout has Hydro Vee bottom of white oak and African mahogany. It is recommended for use with motors up to 70 HP. Price, $898.

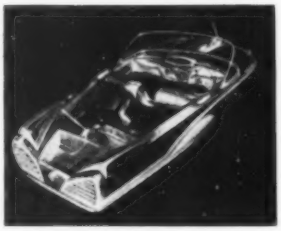
LANCE 17
16'10"x73"x26" boat has Hydro Vee bottom of select white oak and African mahogany, and is rated for use with motors up to 100 HP. Price, $1,095.

HOLIDAY 19
19'8"x84"x45" boat has Hydro Vee bottom of select white oak and African mahogany. It can be used with motors up to 140 HP.

PALLU PRODUCTS
430 S. SCHUYLER AVE., BRADLEY, ILL.

PALLU CRUISERS
16' and 18' cabin cruisers with upholstered bunks, flying bridge, windshield, cockpits.

PARSONS CORP.
LAKE 'N SEA DIV.
TRAVERSE CITY, MICH.



14' CARIBBEAN RUNABOUT
14'x68"x32" depth. Caribbean Runabout of fiberglass construction features molded-in forward seat; divided aft seat designed so that either half may be tilted forward; molded-in arm rests; sealed self-bailing motor well; flotation equipment; double bottom. Capacity 780 lbs. exclusive of outboard motor for seating four to six persons. Rated to carry up to 45 HP. Other models available.

PARTEE BOAT MFG. CO.
104 COLES FERRY PIKE,
LEBANON, TENN.

DELUXE CELEBRITY
14' runabout with convertible top, three blond mahogany decks, wraparound plexiglass windshield, remote steering controls, hardware, lights, seat cushions. Seats 6, takes up to 100 HP. Price, $1,149.95. Available in 15'10" model, $1,199.95. Standard models $1,049.95 and $1,099.95.

VIKING
14' runabout similar to Celebrity but without remote steering; has three mahogany decks, steering wheel, upholstery. Price, $849.95. Available in 15'10" model, $899.95. Other similar models available.

HURRICANE 16 H
15'10"x70". Weight of hull 355 lbs. Can use two 35 or 40 HP motors. Carries 6 people. Mahogany molded plywood hull. This 16' semi-V runabout with front deck has divided front seat, lazy back seat rests on rear seats. Deck is mahogany plywood. Price, $695 including bow handle, bow chocks, bow cleat, stem band, bow eye bolt.

DELUXE CLIPPER
14 DC, 16 DC
These runabouts have western cedar planking below the spray rails, African mahogany planking above the spray rails and African mahogany decks. Fiberglas covered bottom. 14 DC, 14'x54", weighs 265 lbs. 16 DC, 16'x54", weighs 285 lbs. 14 DC & 16 DC can use 40 HP motor. 14 & 16 DC carry 4 and 6 people, respectively. 14 DC $479.95; 16 DC $529.95. Prices include stem band, bow eye bolt. For further information contact the manufacturer.

PEARSON CORP.
BRISTOL, R. I.

MARINER
15' fiberglass open cockpit runabout - fisherman. 3 Seats. Price, $499.

MATE
15' all fiberglass molded runabout. Steering wheel, windshield, upholstered seats fore and aft. Price $749.

MARAUDER
15' fiberglass runabout with swept-wing design, flared bow, seats fore and aft. Price, $899.

PRIVATEER
17' open fiberglass cruiser, with windshield, convertible canvas top, seats forward, large deck. Price, $1195.

CHALLENGER
20' open cruiser and sports fisherman with windshield, forward hatch, cockpit, heavy duty fiberglass hull. With fiberglass deck and oppointments, $1999; with mahogany deck and appointments, $2295.

PIONEER MFG. CO.
MIDDLEBURY, IND.

COMMANDER
Available in 12' and 14' lengths. Styrofoam flotation. For all-purpose use. Six other steel models available, also a 17' aluminum canoe, six aluminum boats, and two aluminum prams.

PERSLEY-RIEHL MFG. CO.
PORT CLINTON, OHIO

WAVEMASTER DELUXE
14' steel sports model uses 3 to 30 HP. Price, $348.50; Standard Model, $276.35. Also available, 16' Deluxe and Standard models that use 10 to 40 HP.

21' CLINTON HULL
Made of 13-gauge steel. Beam 92", depth forward 52". Price, $1075. Also available in 24'.

CLINTON UTILITY
14' all-purpose steel model uses 2-20 HP. Price, $166.50. Also available in 12' and 16'.

CLINTON UTILITY
V-BOTTOM
14' for fishing and hunting. Features two air tanks to prevent sinking and handles for carrying. Uses 2-20 HP. Steel construction. Price, $224.50.

CLINTON SKIMMER
14' for fishing, commercial, and other inland use. Rigid steel construction. Price, $176.50. Also available in 12' and 16'.

PLASTIC FABRICATIONS, INC.

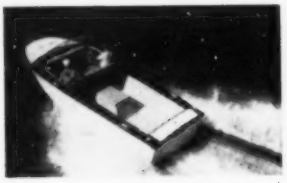
GERONIMO
15' sports utility with spring seat cushions, storage compartments, motor well and sound baffle, windshield. All fiberglass. Price, $985. Accessories available: convertible top, $60; steering assembly, installed, $65, etc. 13'9" "Chief" also available, price $645.

WARRIOR
16' runabout with foldaway aluminum berths, spring seat cushions, windshield, safety well, sound baffle. Designed for single or twin engines up to 60 HP each. Price, $1,269. Accessories available: convert-

ible top and side curtains, $85; wired running lights, $47; etc. 16' cruiser "Navaho," illustrated, also available.

SCOUT

18½'x8' Polyhedral hull flush deck sport cruiser with two berths, toilet, safety well and sound baffle, plexiglass windshield, galley and stove, berth and seat cushions, toilet, deck hardware, lights, convertible top, cushions, steering equipment. All fiberglass. Other models available.



COMANCHE

20' utility with plexiglass windshield, spring cushion seats, self-draining ventilating side panels, convertible top, side curtains, lights, toilet, etc. All fiberglass. Price, $2,150. Will take single or dual engines of unlimited HP.

APACHE

21'8" cruiser with dinette, pilot seat, galley, sink, toilet, forward berth, lights, curtains, stove. Runs 39 mph with twin 60 HP engines. All fiberglass. Price, $2,465.

POLAR KRAFT MFG. CO.
1237 N. WATKINS, MEMPHIS, TENN.

MODEL S-1418

13'11" runabout with aluminum welded hull and styrofoam flotation. Bottom 36", Beam 54", recommended HP 18. Price, $239.

SKI-KING

The Ski-King 14 and 16 are new, fast, aluminum runabouts with Styrofoam-filled seats, windshield and steering supplied as standard equipment. Overall length is 13'6" and 15'6" respectively. Both models have a beam of 65", transom beam 60", depth amidships 30"; 15" or 20" transom heights available. Power recommendations to 60 HP. Prices, Ski-King 14 $675, Ski-King 16 $750, f.o.b. Memphis, Tenn.

POMPANO BOAT CO.
POMPANO BEACH, FLA.

OFFSHORE 18

18' runabout with over 6 sq. ft. cockpit, two storage seats, and 7' bunks. Will give 25 mph with single 35-40 HP motor, and can handle 2 motors to 100 HP. Features sound-deadening motor well, hardware, windshield, deluxe steering installed, mahogany framing, concealed fuel storage. Price, $995. With fiberglass hull, $175 extra.

RUGGED SIXTEENS

16' runabout that delivers 30-35 mph with one 35-40 HP motor. Features solid mahogany framing, hull planking, durable construction. Available in choice of colors and seating arrangements from $395 to $460.

RED FISH BOAT CO., INC.
P. O. BOX 610, CLARKSVILLE, TEX.

SHARK

14'x66"x30" fiberglass model in one-, two- and three-seater models. Standard equipment includes lights, hardware, drain plug, upholstery, white rubber dock bumper, metal transom cover, steering. Price, one-seater, $795; two-seater, $845; three-seater, $895. Optional hardtop available for $90. Also available, 14' "Angler," $349; 15' "Shark Capri," $995; 17' "Sea Shark" one-seater, $1,275, two-seater, $1,395.

REVEL CRAFT MFG. CO.
P. O. BOX 20, ARNOLD, MD.

18' CRUISETTE

18'x81"x10" cruiser sleeps 2 and can achieve speeds up to 35 mph with single motor. Of full length plywood lapstrake plank construction. Standard equipment includes two bunks with cushions, full marine toilet, ice chest, ventilating cabin windshield, cockpit cover, self-draining motor well, self-bailer and fully-rigged steering. Price, $1,995. Also available as convertible utility, $1,495.

16' SEA SKIFF

16'x71"x6" outboard boat can deliver speeds up to 35 mph and features all mahogany construction, step-through backrest on front seat and center seat, Vee wood frame windshield, ventilating type, convertible top, fully rigged steering, self-bailer and one-piece bottom. Transom is cut for single motor up to 70 HP, as it is for 18' models. For 23' models, transom is cut out for twin motors up to 40 HP each, or single motor to 70 HP. Price: 16' model, $895.

RICHLAND MFG. CO.
RICHLAND, MO.

'BIG 16' DAY CRUISER

16'x72"x36" day cruiser weighs 434 lbs., and is intended for use with outboard motors up to 100 HP. Aluminum boat features Styrofoam flotation, jump seats, 5 bottom keels and 10 persons capacity. Convertible top, with side and rear curtains, is available.

SALEM BOATS
BOX 512, SALEM, VA.

OUTBOARD RUNABOUT

15' boat, complete with wraparound windshield, worm and pinion steering, lifting rings, deck hardware, upholstered seats and dash panel, chrome guard and shear rail molding. Price: $1,275.

SEA FURY, INC.
5595 N.W. 9TH AVE.,
FORT LAUDERDALE, FLORIDA

SEA FURY

14' and 16' fiberglass runabouts with heavy transoms to handle any size motors. Specs. as follows: 14'x63"x29" (depth), weight 450 lbs.; and 16'x76"x 31" (depth), weight 650 lbs.

SEA SLED IND., INC.
3800 DEMPSTER ST., SKOKIE, ILL.

MODEL 15 SEA SLED

14'2"x64" fiberglass runabout featuring nontrip chines. Transoms available in 15" or 20" heights for single or dual installations. Freeboard amidship 27", weight approx. 450 lbs. Features sealed flotation chambers, self-bailing motor well, inverted V chines; trailers available to eliminate submersion when launching and retrieving. Also available: Model 17 runabout with similar features, except 15'11"x72" with 30" freeboard amidship and 550 lbs. approx. weight.

SEA OTTER BOAT CO., INC.
3265 W. FULLERTON AVE.,
CHICAGO 47, ILL.

UTILITY

12'x62", uses motors 5-25 HP, top speed 32 mph. Two seats, 44" bow deck. Fiberglass construction. Price $350. RE-SORTER model with three seats and 10" bow deck, $299.

FISHERMAN

14'x63", for 5-30 HP motors, top speed 30 mph. Fiberglass construction. Price, $375. 11'x 48" Fisherman for motors up to 10 HP. Price, $260.

IMPERIAL

15'x70", seats 6. For motors 25-70 HP, with speeds to 47 mph. Fiberglass construction, semi-V hull, upholstered seat backs, remote control mounting block. Price $875. Optional equipment includes convertible top, steering system, lights, windshield, bracket for short shaft motors. Other models from $625.

SHELLCRAFT, INC.
15TH & CROSBY STS., CHESTER, PA.

SPORTSTER

18'x76½"x8" family cruiser, seats 7. 6-ft. berths standard equipment. 41" headroom. Marine mahogany planking and transom, Philippine mahogany frames, white oak stem, chines, and rails. Weight 650 lbs. Lights, hardware, wheel, windshield, remote control mount, gas tank and battery well. Uses 16-100 HP motors, speeds over 40 mph. Price, $960. Optional: folding top, $70; curtains, $70; toilet installed, $125; forward deck hatch, $35; fiberglass bottom, $125.

YACHTSTER

Specifications and features similar to Sportster, except seats 5, weight 700 lbs. Price, $1,065. Optional equipment same as Sportster.

ADVENTURER

19'4"x7'10"x10" cruiser-utility with 11'6" cockpit, 10-person capacity, 6' berths, plywood planking and transom, solid mahogany frames, oak stem and rails. Weight 1,010 lbs. Includes windshield, hardware, steering wheel, rear seat, remote control mount, hatches. 25-150 HP. Price, $1,345. Optional: top, $80; curtains, $80; bunk cushions, $100; toilet, $125. Also available: 21' model, $1,445.

SHELL LAKE BOAT CO.
SHELL LAKE, WISC.

14 & 16 ROCKET

"Shelglas" runabout fitted with upholstery, plexiglass windshield, hardware, and steering. Features lights, ski pulls, motor well in rear deck, rubber bumper molding, spray rails molded into hull, and transom pads. Available in 14'x65", capacity 1,010 lbs.; and 16'x67", capacity 1,075 lbs. For motors up to 70 HP.

LAKEWAGON

18' cruiser, 19½'x84". Deluxe model, features transom designed for twin motors, convertible top with side curtains,

rear cockpit cover, walk-through front seat, hardware, steering, deluxe removable upholstery. Approx. weight 830 lbs. Rating 140 HP. Capacity 1,600 lbs.

12', 14' & 16' DART

Fiberglass runabouts featuring low seats, rear side seats, step-through lazy back, drain-out 20" transom. Upholstery available. 12'x64" for motors up to 35 HP, 14'x65" for motors to 50 HP, and 16'x67" for motors to 70 HP.

G43 & G63 RAMBLER

With molded fiberglass hull and splash rails, aluminum gunwales and deck plate. Molded seats, rubber pad for transom. Available in 14'x61" for motors to 30 HP, and 16'x 63" for motors to 33 HP. Price, $440.

112, 114 & 116 SPORTSMAN

Lightweight fishing boat has fiberglass hull, aluminum gunwales and deck plate. Larger models feature drains under the seats. Available in 12½'x 54" for motors to 10 HP; 14'2" x56" for motors to 20 HP; 15'10"x58" for motors to 22 HP.

RANSOM F. SHOUP CO.
AHOSKIE, N. C.

16' CONGRESSMAN

Mahogany plywood panel construction, with high freeboard, clipper bow; frame of Philippine mahogany. Price, $795. Also available: 18' "EMPRESS," outboard utility with forward hatch, ventilating windshield, convertible top, motor well. Price, $1,495.

17' PRINCESS

Lapstrake constructed runabout with non-trip chines, clipper bow, storage compartments under seats and forward deck, hardware, lights, ski hooks. Rear seats convert into bunks. Curtains optional. Price, $1,095.

19' STATESMAN

Raised deck cabin cruiser with forward bunks. Lapstrake construction. Has forward hatch, convertible top, windshield, lights, motor well, walk-through seats. Price, $1,595.

SKAGIT PLASTICS, INC.
LA CONNER, WASH.

SKAGIT 16' SKI-MASTER

16'x7' runabout especially designed as a ski tow boat, of fiberglass construction. Other boats in 14, 17 and 20 foot models also available, plus the Skagit Saratogan, a 31-foot all-fiberglass cruiser.

SOONER BOAT CO.
EL DORADO, OKLA.

FIBERGLASS RUNABOUT

All fiberglass boat. Two-tone upholstery and side panels, radio with two antennas, bow light, wraparound windshield with brackets, steering complete. 65" beam, 57" transom. Price, $995.

SOUTHWEST MFG. CO.
P. O. BOX 2501, LITTLE ROCK, ARK.

ARKANSAS TRAVELER

14', 16' and 18' fiberglass boats feature sturdy transoms, seats designed to become integral parts of the hull, modified clipper bow and lapstrake hull designs. Manufacturer also has complete line of aluminum boats.

ARKANSAS TRAVELER UT-147

13'8" x 60" x 27" with 52" x 15" transom, aluminum utility rated for use with motors from 5 to 30 HP. Net weight 200 lbs.; price $365. Other boats in aluminum featuring the "Cushion-Aire-Glide" hull with integral spray rails and bilge keels, from 9' to 16' models.

ARKANSAS TRAVELER DAY CRUISER

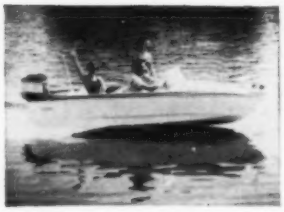
17'10" x 86" x 43" with 70" x 20" transom, fiberglass lapstrake-type runabout available in both sports and utility versions. Other models in four new series of fiberglass hulls,

14, 15 and 16 feet overall length. Boats are rated for motors up to 60 HP, depending on model.

SPAN AMERICA BOAT CO.
FORT DODGE, IOWA

SPAN JET

14' fiberglass sports boat for operation with motors up to and including 70 HP. Hydrofoil design is said to reduce resistance, lessen spray, and allow for sharper turns without skidding.



SPAN-FLITE

14' fiberglass family runabout. Also available: 14' Span Jet, 15' V.I.P., both of which have been re-designed, the V.I.P. with larger motor well, removable fiberglass hardtop or folding canvas top. Three models of a 17' cruiser also available. All boats complete with panoramic windshields, lights, steering wheel and controls, weatherproof upholstery. Specifications and prices on request.

V.I.P.

15' fiberglass runabout features complete steering, spring upholstery, panoramic windshield, walk through deck, under deck storage, lights, etc. Speeds up to 50 mph.

FIBERGLASS CRUISER

16' cruiser has non-flex bottom and hull made completely of fiberglass. Seats 8 and sleeps 2. Features panoramic windshield, "badge-bow" design to eliminate spray, and built-in motor hood to prevent water from entering over the transom. Sports top is provided that can be folded down or taken off. Any dual installation can be accommodated. Cruiser has all chrome hardware and stainless steel rub rails.

STANDARD GLASS PROD.
906 JUSTIN LANE,
P. O. BOX 9211, AUSTIN, TEX.

14' SKIFLITE

14'3"x62" sport model, weight approx. 360 lbs. Fiberglass construction. Features windshield, upholstery, steering, rating 40 HP.

15' SURFLITE

15'x66" runabout, weight approx. 475 lbs. Auto-type dash, upholstery, windshield, steering; light and cover optional. Rating 60 HP. Also available: 15' "Fireflite" with rating of 70 HP.

MFR., Standard Glass Prods.,

17' SEAFLITE

17'x78" cruiser with 20" transom, removable top (sliding hard top optional), weight 750 lbs., reinforced fiberglass construction, steering, cushioned seats, splashwell, space for twin engines. Rating 120 HP.

17' SEVILLE CRUISER

17'x78" cabin cruiser sleeps two, with stern seat for three or four. Sliding glass windows, flying bridge canopy, lights, windshields, steering, ventilating forward hatch, splashwell. Approx. weight 1,000 lbs. Max. rating 120 HP. Canopy optional.

STARCRAFT BOAT CO.
GOSHEN, IND.

JET STAR

15' aluminum runabout. Price, including wraparound windshield, steering, lights, upholstery, etc., $595.

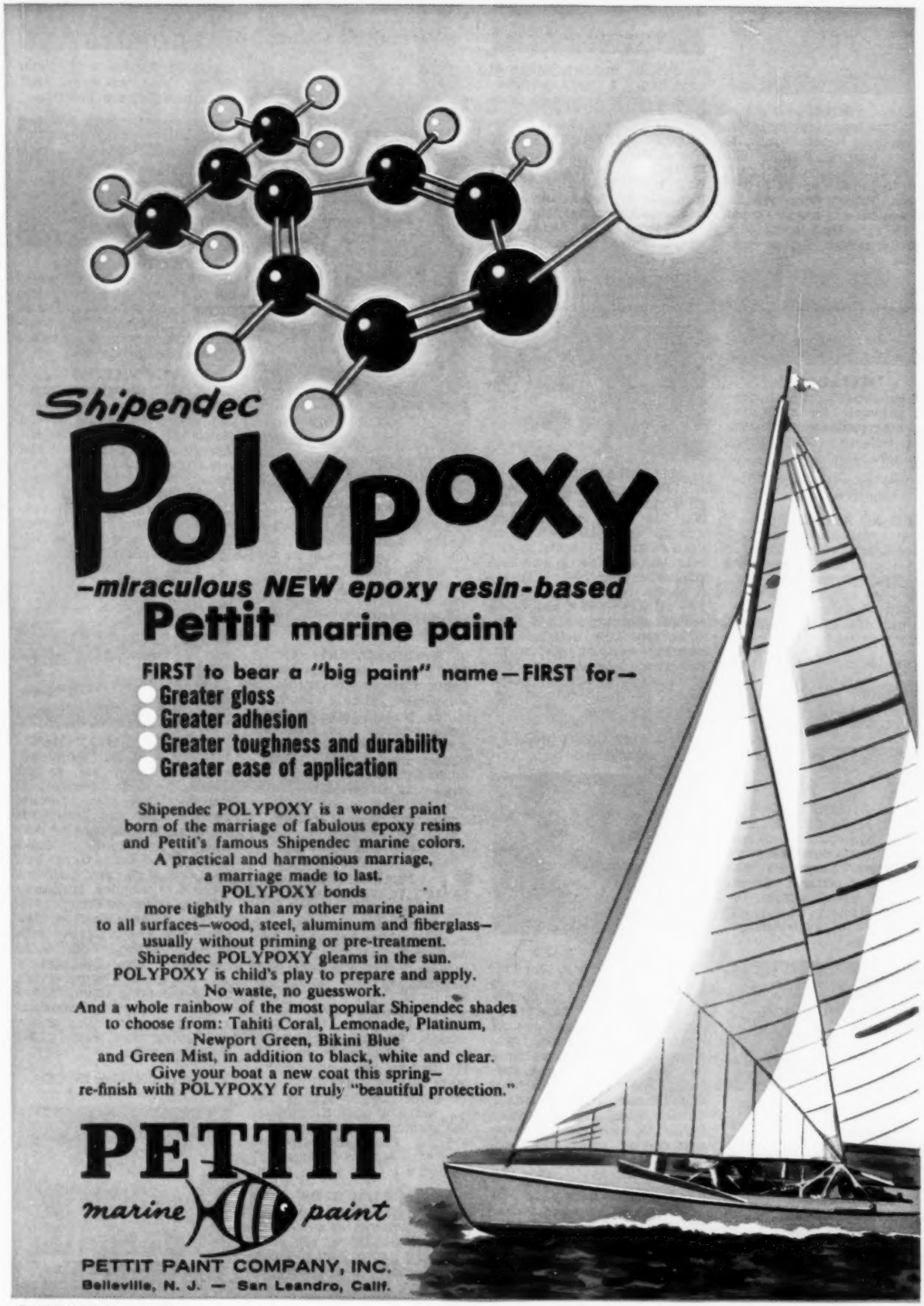
SKI CHAMP

14' runabout of aluminum lapstrake construction. Low maintenance, leak and puncture resistant. Other boats in this line include aluminum and fiberglass open boats, runabouts and cruisers. Complete information on request.

SU-MARK, INC.
WALPOLE, MASS.

OCEANIC FISH 'N SKI

19'7" fiberglass runabout with


Shipendec
PolYpoXY
-miraculous NEW epoxy resin-based
Pettit marine paint
FIRST to bear a "big paint" name—FIRST for—
Greater gloss
Greater adhesion
Greater toughness and durability
Greater ease of application
Shipendec POLYPOXY is a wonder paint
born of the marriage of fabulous epoxy resins
and Pettit's famous Shipendec marine colors.
A practical and harmonious marriage,
a marriage made to last.
POLYPOXY bonds
more tightly than any other marine paint
to all surfaces—wood, steel, aluminum and fiberglass—
usually without priming or pre-treatment.
Shipendec POLYPOXY gleams in the sun.
POLYPOXY is child's play to prepare and apply.
No waste, no guesswork.
And a whole rainbow of the most popular Shipendec shades
to choose from: Tahiti Coral, Lemonade, Platinum,
Newport Green, Bikini Blue
and Green Mist, in addition to black, white and clear.
Give your boat a new coat this spring—
re-finish with POLYPOXY for truly "beautiful protection."
PETTIT
marine paint
PETTIT PAINT COMPANY, INC.
Belleville, N. J. — San Leandro, Calif.

high bow and extreme flare. Built to handle motors up to 150 HP. Prices from $1,744.50.

MFR., Su-Mark, Inc., Stone St., Walpole, Mass.

GULL

15'9" runabout, available in two models: Resorter for all-weather boating, Fish 'n' Ski for sport. Spacious cockpit. Built to handle up to 70 HP motors. Priced from $794.50. Also available in the two models: 14' Tern that handles up to 40 HP motors. Priced from $694.50.

MATADOR

16'6" runabout built on hydro-sled principle for additional lift. Fiberglass construction; will handle up to 60 HP. Price, from $894.50.

SWIFT BOATS, INC.
MT. DORA, FLA.

UH-092 ATOMIC "A"

9' x 54" hydroplane of aircraft spruce frame with mahogany bottom and side decks, and new plywood deck and cowl. Weight 100 lb. with, and 85 lb. without, hardware. Weight distribution 48-52%. Price, $369.50.

BIG BEE

9'6" x 57", Model UHB-95, B-C, 3-point hydroplane, a new boat of monocoque airframe construction. Three ply mahogany over aircraft spruce; compound airfoil bottom; dihedronic trailing edges; low turbulence cowl; twin stirrups. Price $439.50.

BIG DEE

11' x 6", Model UHD-112, C-D-F hydroplane of aircraft spruce frame construction planked with 4mm, 3 ply mahogany. Fastenings are brass and chrome screws, silicon bronze "Anchorfast" nails, Phenolic resin glue, brass and bronze bolts. Price $519.50.

TROPIC MARINER STM-16

16' x 68", weight 465 lb. Station wagon foldaway rear seat, top,

windshield, cushions. Speed 40 mph plus. A high performance pleasure runabout, price $995.

TROPIC EXPLORER STE-18

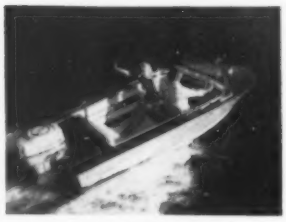
20'1" x 7'11" x 8". Sleeps 3. Cruise range (24 gals. fuel), 4 hours. Mahogany trim throughout. Price, including windshield, convertible top, curtains, deck hardware, lights, drains, fiberglass reinforced bottom, $2050.

SWIFTWATER IND.
872 E. WASHINGTON ST.,
CHAGRIN FALLS, OHIO

SWIFTWATER BOATS

15'x70"x30" freeboard, fiberglass runabout in three models, the "Sea Sprite," "Sea Spray" and "Utility." "Sea Sprite" has side seats in the rear, and is a family boat and ski towing boat. "Spray" model has swivel seats for fishing. The "Utility" has a wide-open rear deck with duffle tie-down rings especially designed for securing camping equipment. Honeycomb bottom provides extra strength, and a special feature is the "dry-well" design of the transom.

SWITZER CRAFT, INC.
CRYSTAL LAKE, ILL.



SWITZER CRAFT

17' outboard seats 8, and may be used with motors from 35 HP to a maximum of 95 HP. Features include lapstrake round chine bottom forward, reversible front seats, two-stage convertible top, automotive-type steering column, self-bailing motor well, ski mast and hinged boarding ladder. Similar model shown above, is Combo 15, with removable rear seat and ski mast, and manufacturer also offers Lightning 14, with full floor boards and side panels.

TERRY'S BOATS
HWY. 36 & CENTRAL AVE.,
W. KEANSBURG, N. J.

TERRY'S BOATS

16' and 18' fishing skiffs for inboard or outboard motors, mahogany and oak construction, prices $595 up. Other listings in inboards, rowboats. Hardware, fastenings, and equipment & supplies available.

THOMPSON BROS. BOAT CO.
PESHTIGO, WISC.

SEA LANCER

17'x82"x36" depth amidships. Runabout with clipper bow. Walk-through front seat, motor well, forward hatch, ventilating windshield, steering, hardware. Lapstrake construction, brass bolt fastenings between ribs.

SEA SKIFF

14'x65"x26" lapstrake runabout with 55" foredeck. Also "Model 605" lap chine runabout, 14'x 58"x22½" with 66" foredeck. Taylor wraparound windshield. Can be carried on trailer or car top. Canvas covered boats and canoes also available.

OFFSHORE CRUISER

19'x88"x45" depth amidships. Cabin cruiser with ventilating windshield, sliding windows, bunks under forward deck, built-in motor well, lapstrake construction. For one or two motors. Also available as open model with room for 4 on front seat. Also available: "Sea Lane" 22-foot family boat for any combination of motors.

TOMAHAWK BOAT CO.
TOMAHAWK, WISC.

PLAY MATES

10'x46"x17". Weight approx. 100 lbs. Takes up to 7½ HP motor, with maximum load capacity of 400 lbs. Has four cubic feet of flotation built-in. Boat is molded fiberglass construction, designed for use by youngsters.

CAR MATES

12'x50"x18" and 14'x50"x20" models. 12' model weighs approx. 120 lbs., takes up to 15 HP motors, and has a maximum load capacity of 496 lbs. 14' model weighs approx. 140 lbs., takes up to 20 HP motors, has maximum load capacity of 575 lbs. Fiberglass construction with molded-in flotation. Designed for car top carrying.

RANGER G1458

14'4" fiberglass runabout with molded deck and walk-through seating. Hardware, self-bailing drain tray included. Takes up to 40 HP. Also available: *Ski Mate G1566*, 15' model

especially for use with water skiing. Max. rating 65 HP. Both models have flotation.

TRAILER MATE

15'x62"x26". Can handle motor up to 40 HP. Tomahawk also offers eight other models also made of fiberglas. The company has converted its entire production to fiberglas.

SEA MATE 18

18½' all fiberglass family model with walk-through seating, concealed tanks, storage, flotation. Max. rating 80 HP. Approx. weight 700 lbs. Also available: *Spirit G1670*, 16'4" runabout with flotation, hardware, and rating of 65 HP; Trailer Mate *G1562*, 15' runabout that converts for fishing or cruising, rated at 40 HP, approx. weight 275 lbs.

TOPPER BOAT CO.
5816 RITCHIE HWY.,
BALTIMORE 25, MD.

HARDTOP SPORTSMAN

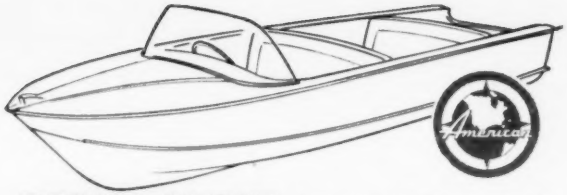
20'6"x8'x10" all-purpose model. 65" cabin headroom, weight approx. 1,175 lbs. Mechanical steering. Oak stem, frames, keel, chines, and skeg. Fir stringers. Bottom is of ½" marine plywood. Mahogany decks and sides. Hardware and lights. Seats 4. Seat cushions convert to 2 bunks. Hideaway toilet, mattresses. Price, $1,775. Toilet, $110. Other models available: *Sports Cruiser* with same dimensions, 68½" cabin headroom, 1,400 lbs. approx. wt., construction same. Price, $2,060 including toilet. *Sedan Cruiser* of same dimensions and construction, plus galley, sink, stove, table. Price, $2,395 including toilet.

TRAILORBOAT ENG. CO.
SAN RAFAEL, CALIF.

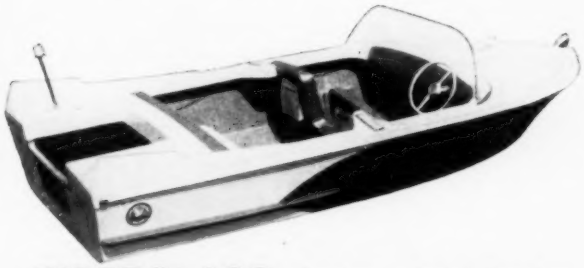
SPORTER

15' fiberglass boat features re-

FIRST WITH ALL 4 American



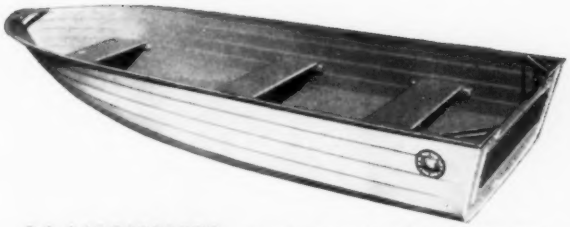
PERMA-FLOAT *The new 4th Dimension in boating*...for safety, comfort and fun! American is first to go into mass production with this revolutionary new concept in boat construction. Made from non-sinkable Perma-Float panels. 15′ runabout and 15′ utility.



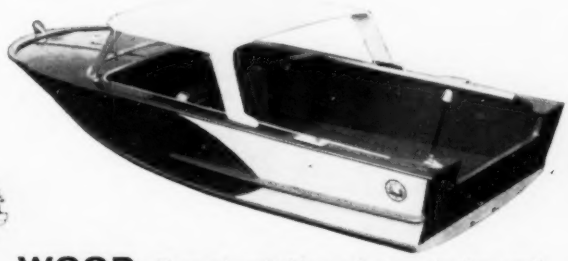
FIBERGLASS *Carefree, colorful fiberglass* construction gives this American series all the boating glamor and performance thrill you've dreamed of! Marine-designed for new strength and stability—more enjoyment, less work. From 12′ fishing to 16′ runabouts.

See your all-AMERICAN dealer ...get more value and fun for every boating dollar!

You can get a better deal because your all-American dealer gets *all* his boats from American—Perma-Float, fiberglass, aluminum and wood. He saves money for you by quantity purchases and lower freight cost. He has a better selection on hand at all times—and can give you more and faster service backed by factory guarantees. See him now for these and more than 20 other marine-designed, performance-tested American boats in all styles and price ranges!



ALUMINUM *Sleek, sturdy aluminum* construction makes this American line the answer to the call of the open waters! Designed and proved in performance for pleasure and smooth comfort—plus flashing speed and maneuverability. From 12′ fishing to 15′ runabouts.



WOOD *Rugged, reliable mahogany* is the traditional standard of boating perfection. American gives you top performance and speed for family fun, fishing or water sports. Quality craftsmanship at an economical price. Models from 14′ runabout to 18′ hard-top day cruiser.

Write now for complete information and the name of your nearest all-American dealer!

DEPT. 32

NORTH AMERICAN MARINE, INC. Warsaw, Indiana

movable hardtop and is recommended for use with motors from 7½ HP to 70 HP. Manufacturer also offers fiberglass 12′ outboard boat and 18′ luxury cruiser with flying bridge and berths for 2. Six aluminum models are offered in 21 sizes.

TRANSMAR, INC.
161 EAST ERIE STREET,
CHICAGO 10, ILL.

FLAMINGO
15′ x 63″ x 20″ (freeboard) runabout of "V" bottom design, built of cypress, cedar, mahogany plywood and white oak with all brass fastenings, seams set in glue. Rated for 35 HP, boat is intended to reach max. speed at about 30 mph. Total weight about 403 lbs.; capacity five persons.

TROJAN BOAT CO.
LANCASTER, PENNA.

TROJAN
15′ outboard boat designed for fishing or ski towing. Features convertible canvas top and side curtains large cockpit for fishing; the sturdy transom will hold one outboard of any size.

SEA QUEEN 15
15′ outboard boat features mahogany fore and aft decks, swept-back windshield and upholstered seats. Also available is 15′ "Marlin," similar but without aft deck to provide extra cockpit room.

SEA QUEEN 17
17′ runabout with enclosed after-deck, 20″ deep transom, storage compartment, 40 sq. ft. of deck space for adding deck chairs. Will carry up to two motors of any size.

MARLIN 17
17′ boat sleeps 2, has convertible top, side and back curtains. Boat is available with either inboard or outboard power.

SEA BREEZE 23-2
23′ cruiser with galley, toilet, two berths, storage; convertible canvas top, back and side curtains. Wide range of power options, inboard or outboard.

U. S. FIBER GLASS PROD.
14720 LAKEWOOD BLVD.,
PARAMOUNT, CALIF.

PERFORMER HAVOC
A 13′6″x68″ fast, maneuverable boat especially built for water sports. The hull design insures quick rising and fast planing with two or more skiers. Weight, 300 lbs.

PERFORMER T-BIRD
14′x70″x30″ depth x 56″ beam at transom. Fiberglass runabout with 48″ deck and cockpit designed for fishing, skiing and family use. Features separate well for motor and gas tanks, gear, etc.

PERFORMER SPORTSMAN
15′x72″x36″ depth x 55½″ beam at transom. Fiberglass run about similar to the T-Bird described above, but with a 60″ deck and more space for heavier loads.

PERFORMER SEVEN SEAS
18′x86″x50″ depth x 70″ beam at transom. Fiberglass cruiser with 80″ cockpit, 80″ cabin, 66″ x28″ motor well, and an overall height of 78″. Details on request.

VIKING BOAT CO.
HWY. 13 NORTH, MIDDLEBURY, IND.

FISHERMAN
12′x46″ of marine alloy aluminum. For motors to 5½ HP. Recommended for fishing, duck hunting, river use, and as tender and life boat. Hull is seamless, formed and fused into one piece. Includes Dow styrofoam flotation, lifting handles, anchor pulley, rope tie cleat, oar lock sockets and non-skid floor coating. Price, $159 F.O.B.

V-13 UTILITY
12′3″x50″, hull weight, 95 lbs. For motors to 10 HP. Top speed is 18 mph at 10 HP. Hull is formed and fused of special marine alloy aluminum, salt-resistant and seamless. Dow styrofoam is used in all 3 seats, which can carry 4 adults. Also lifting handles, bow cowl, anchor pulley, cleat, oar lock sockets and non-skid floor coating. Price $189 F.O.B.

H-14 HEAVY DUTY
14′4″x56″, hull weight, 160 lbs. For motors to 35 HP. Top speed is 35 mph at 35 HP. Hull formed of 1/16″ special marine alloy aluminum, salt resistant. Includes Dow styrofoam in all 3 seats, lifting handles, bow cowl, anchor pulley, cleat, oar lock sockets and non-skid floor coating. Price, $333 F.O.B.

R-15 RUNABOUT
14′4″x58″, hull weight, 210 lbs. For motors to 40 HP, this runabout has a top speed of 40 mph at 40 HP. Carries 4 adults. Hull is of 1/16″ special marine alloy aluminum, salt resistant. For high speed, rough water use. Has one-piece molded fiberglass deck and dash, wrap-around windshield, steering wheel, enamel finish, lifting handles. Dow styrofoam flotation and non-skid floor coating. Price, $489.

WESTERNER BOAT DIV.
WESTERN RUBBER PRODUCTS CO.
5001 E. FIRESTONE BLVD.,
SOUTH GATE, CALIF.

CAR-TOP UTILITY
10′x55″, weight 100 lbs. For motors to 10 HP, this boat has fiberglass hull and wooden gunwales and seats. Honeycomb double bottom construction gives flotation and strength without use of air-tanks, ribs and stringers. Price, $275, includes bow handle and rubber transom pad.

FISHERMAN DELUXE
11′7″x55″, weight of hull, 175 lbs. For motors up to and including 16 hp. Boat has fiberglass hull, deck, gunwales and wooden seats. Honey-comb constructed double bottom for flotation and strength. Price, $365, includes bow handle, stern handles and rubber transom pad.

SPORT SPEEDSTER DELUXE
11′7″x64″, weight of hull, 180 lbs. For motor, up to and including 20 hp. Fiberglass hull, deck and gunwales, fiberglass bucket seats and wooden front seat are included. Honey-comb double bottom gives flotation and strength without use of air tanks or stringers. Price, $425, includes bow handle, stern handles and rubber transom pad.

SPORT RUNABOUT
13′10″x66″, weight 280 lbs. Six-passenger fiberglass runabout for motors to 40 hp. Honeycomb double bottom construction for flotation and strength without use of air tanks, ribs and stringers. Price, $795, includes bow eye, stern handles, Plexiglass windshield, 2 pairs of step plates, foam rubber upholstered seats, and rubber transom pad. Also available is walk-thru mid-deck in front seat, $50.

FAMILY UTILITY
15′11″x72″, weight of hull, 350 lbs. Fiberglass boat, capable of carrying 6 or more passengers, for motor to 75 hp. Honey-comb construction of double bottom and deck supplies flotation and strength without use of air tanks, ribs and stringers. Price, $845, includes bow eye, stern handles and rubber transom pad. Accessories available are canopy top, $100, and custom-styled fiberglass windshield with safety glass, $200.

FAMILY DAY CRUISER
15′11″x72″, weight of hull, 550 lbs. Fiberglass cruiser, which can carry 6 passengers or more. For use with motors up to and including 75 hp. Honeycomb constructed double bottom, deck and cabin top gives flotation and strength without use of air tanks, ribs and stringers. Price, $1,145, includes bow eye, stern handles and rubber transom pad.

WHITEHOUSE REINFORCED PLASTICS CO.
RT. 3, BOX 219, FORT WORTH, TEXAS

LARK LINER
17′10″x84″ fiberglass cabin cruiser with 73½″ transom width, weight 1,250 lbs. Features twin mattressed bunks, ventilated cabin, forward hatch, self draining motor well, steering, upholstery, 20″ flying bridge, lights. Takes up to 140 HP.

CUTLASS
17′10″x84″ fiberglass runabout with specifications identical to "Lark Liner." Features steering, 20″ windshield, upholstery, with optional rear seat cushion.

SAFARI
16′10″x78″ fiberglass cruiserette with 69″ transom width, weight 575 lbs. Features unenclosed cabin, forward steering, cushions. Removable side windows optional. Takes up to 140 HP.

DOLPHIN CABRIOLET
16′10″x78″ fiberglass hardtop with specifications identical to "Safari." Features removable hardtop with vents, steering, 20″ windshield, upholstery, lights.

DOLPHIN
16′10″x78″ runabout with specifications similar to "Safari." Features steering, 20″ windshield, upholstery, etc. Other models available: "Dolphin Inboard," inboard version of above, with power options of 150-220 HP, speeds 50 mph; "Kingfish," 15′8½″x74″ fiberglass runabout, takes 100 HP; "Sailfish," 14′10½″x68″ runabout, takes 70 HP; "Bonito," 14′10½″x68″ runabout, takes 60 HP; "Apache," 13′9½″x59″ runabout takes 40 HP, with 10″ windshield, steering, cushions, plastic-covered upholstery; "Scout," 13′9½″x59″ utility, takes 40 HP; "Ranger," 13′2″x 59″ utility with three seat tanks and 18 HP rating. Entire line is of fiberglass construction.

WINNER MFG. CO.
TRENTON, N. J.

SUN-N-SKI
15-foot fiberglass runabout designed especially for water skiing. Rear seat faces aft. Motor range 10 to 70 HP, speeds over 35 mph. Standard equipment includes boarding ladder, two bow hooks bolted to gunwale at stern for ski tow lines, deck hardware, transom drain plug. Transom is de-

MONITOR MONITOR MONITOR MONITOR MONITOR

GO TO THE BOAT SHOWS BY RADIO!

This year, Alcoa is bringing the National Motor Boat Show in New York and the Chicago National Boat Show right into your living room, via world-famed "Monitor." You'll hear all about dramatic new developments—new designs, new features, new boating accessories to make your "Playdays Afloat" more fun than ever before. Tune in your local NBC station . . go to the Boat Shows by radio! *See Your Local Listings for Time and Station*

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HUGH DOWNS . . . high lighting new styles and trends in boating.

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ALCOA ALUMINUM

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Alcoa Building, Pittsburgh 19, Pa.

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Two.....For the show
itself is one of the great attractions of the Fabulous Florida Winter Season

Three...To get ready
is really simple—just pack your summer clothes and head South

Four....LET'S GO!
to the

18th Annual MIAMI International BOAT SHOW

FEBRUARY 20-25 1959
DINNER KEY AUDITORIUM

SHOW OPENS: 7:30 P.M.
FRIDAY, FEB. 20

DEALER HOURS
10 A.M. to 1 P.M., SAT. thru WED.

OPEN TO PUBLIC
1 P.M. to 11 P.M., SAT. thru WED.

For Information regarding Dealer Credentials write:
Peggy Leyshon, Executive Director,
Miami International Boat Show,
615 S.W. 2nd Ave., Miami 36, Fla.

signed for standard or long shaft motors.

SEAFIRE
15-foot fiberglass deluxe runabout for skiers or fishermen. Takes motors 35 to 70 HP, for speeds over 35 mph. Standard equipment includes remote steering, windshield, upholstered seat backs, four approved life preserver cushions, bow shelf for storage, combination bow light, hardware, transom drain plug, non-slip step pads, fiberglass box for battery. Canvas top is available as optional equipment. Transom is designed for standard or long shaft motors.

VIKING
17′ fiberglass runabout designed for fishermen. Two swivel chairs are standard equipment, are easily removable for safe-keeping. Motor range is 35-80 HP, with speeds over 35 mph. Also standard are built-in self-bailing well, combination bow light, bow eye, two bow chocks, deck cleat, transom drain plug, two ski tow hooks on transom. Compartments are provided for bait stowage, gear stowage, and ice chest. Transom designed for standard or long shaft motors.

VISCOUNT
17′ fiberglass runabout for skiing, fishing and family cruising. Grab-rail molded gunwale permits ease in handling from amidship. Side seats double as stowage locker compartments. Motor range is 35-80 HP, with speeds up to 35 mph. Standard equipment includes boarding ladder, tow hooks bolted to gunwale at stern, upholstered front seats, approved life preserver cushions, wood bailing well, forward storage shelf, foot rest, combination bow light, bow-eye, deck hardware.

VOYAGER
17′2″x76″ runabout with depth forward, 40″, amidship 32″, stern 26″. Transom width 69½″, deck length 77½″, capacity 1,400 lbs. Weight 735 lbs. Features grab rail, molded gunwale, sliding cushion front and rear seats, plank deck with molded-in tray, steering wheel, lights, hardware, panoramic windshield. Takes standard or long-shaft motors from 35-80 HP, speeds over 35 mph.

WIZARD BOATS, INC.
COSTA MESA, CALIF.

BOLERO
15′ runabout includes low price "Pescador," luxury "Phaeton" and deluxe "Imperial" models in fiberglass construction. Hull will take largest engines. Also available: 14′ Malibu series, the 17′ Marlin series, and the 20′ Viscount and Contessa models.

YELLOW JACKET BOAT CO.
P. O. BOX 264, DENISON, TEX.

CATALINA
In three models with specifications similar to Trigger. Deluxe model available in two-tone foam rubber upholstery. Also available: "Beachcomber," in sizes 14′11½″ and 15′11½″, HP to 100; shock absorber seats; "Coastal Deluxe," 18′6″x76″, approx. weight 375 lbs., max. 100 HP, with upholstery, storage wells, windshield, cockpit.

CRUISETTE
15′6″x70″, approx. weight 320 lbs., max. rating 100 HP. Features two adjustable windshields, optional convertible top.

FURY
In three models with specifications similar to Trigger, except weights run from 210 to 295 lbs. Also available: "Sportsman," 15′6″x70″, 100 HP, 250 lbs. weight.

TRIGGER
Three models up to 15′11½″ long, weights 190 to 295 lbs., ratings 50 to 100 HP. Deluxe model has upholstery, windshield, dash panel.

COLONIAL

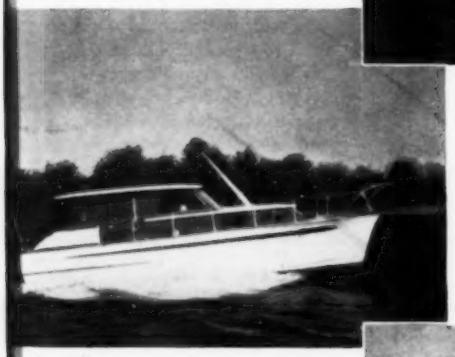
PATTERNS FOR PLEASURE...1959

★ Colonial Cruisers for 1959 are designed strictly for your pleasure. Whether your call is for a snappy "24" Utility Day Cruiser or you fancy something bigger...up to the new Colonial "40" Double Cabin Yacht, you will not find greater value, more beauty or seaworthy performance than a Colonial for 1959. See your Colonial Dealer and visit Colonial Exhibits at the Boat Shows.

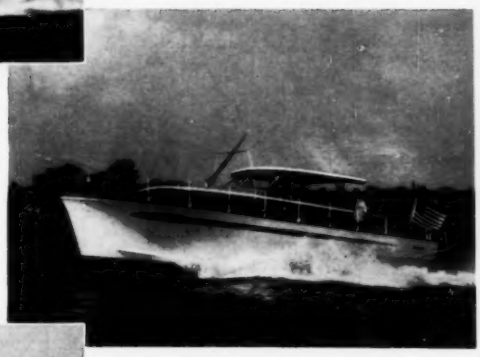
Colonial "38" Express—Sleeps four or six. Large cockpit and full headroom in trunk cabin. Twin power.

Colonial "38" Sedan—Sleeps six or eight. Full headroom in trunk cabin and deckhouse. Twin Power.

Colonial "40" Double Cabin Yacht. Sleeps eight. Spacious Salon deckhouse and luxurious master stateroom. Stall shower available. Large sundeck. Twin power.



Colonial "34" Sedan—Sleeps six. Large deckhouse and trunk cabin. Twin Power.

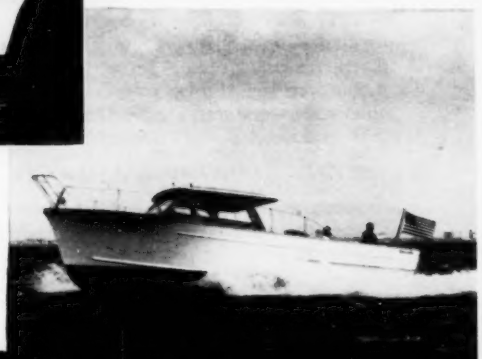


Colonial "34" Express—Sleeps four. Trunk cabin has full headroom. Large cockpit. Twin Power.

Colonial "39" Custom Sport Cruiser—sleeps four or six. Dual controls, fly bridge, teak decks, fisherman mast, twin power, standard.

Colonial "24" Day Cruiser—Single power—Gray 170 HP V-8, standard.

Colonial "34" Gulf Stream—Sleeps two. Ideal fisherman. Twin power.



COLONIAL CRUISERS

Colonial Boat Works, Inc., River Ave., Millville, N. J.

INBOARD BOATS

INBOARDS offer boating's far horizons. Only in the most shoal water are they at a disadvantage. Your choice can range in size from small runabout or fishing skiff to the largest power cruiser. Craft of this size can provide the ultimate luxuries of living afloat, with practically all household conveniences available.

Where Will the Boat be Used?

While distance cruising over open water are natural fields for the inboard, a small lake, river, or bay can provide equal enjoyment. Here the high-speed runabout, if given room to operate safely, can race rapidly to nearby harbors, tow water skiers, or throttle down for quiet fishing. Speed offers an opportunity to increase the boating family's area of operation, and still be home before sundown or ahead of a threatening storm. Fortunately, with an inboard, many power options are available.

Because of the inboard's greater weight, the average craft is hauled from the water and trailered less frequently; it will be more suitable for a location where it may be left tied to a dock or swinging at a mooring when not in use. Servicing the engine is slightly more difficult than the outboard motor, and the boat must be hauled from the water for extensive propeller repairs. This can be impractical if there are no ramps, lifts, or marine railways around, plus sandbars, rocks, and underwater snags that can cause constant damage.

If, however, you now want a larger craft that can challenge open unprotected water, choose a sturdy craft that can take a blow if you are caught offshore. Compare the hull designs on the following pages with those proven and popular in your area. Experienced boatmen can advise you of the types of craft with performance most likely to fill your particular needs. A large inboard cruiser is a considerable investment and a secondhand model should always be first examined by a qualified marine surveyor.

When—and How Often?

Many a boatman has bought a new cruiser, and then wished she were larger shortly thereafter. If you honestly plan a great deal of overnight cruising with several couples aboard, you will wish adequate stateroom facilities for them. But if your boating is more likely to be afternoon swimming parties, a large after cockpit and minimum cabin may be enough. A long season with cool northern spring and fall days can make a well-enclosed roomy cabin very desirable. Yet with your boating limited to a few hot summer weekends, an open craft with folding top may prove sufficient.

How Many Aboard?

A careful count of possible passengers is important when determining the best boat for you. Though a good sized inboard runabout or cruiser owner is less likely to overload his boat dangerously, perhaps, than some small-craft skippers, it is necessary that his choice of boat keep crew-size in mind. Often children will wish to bring along several friends, sometimes bad weather can keep all aboard together in the cabin for a day or so, occasionally friends in a smaller day sailer will be fogged in a remote harbor with you and you'd like them to stay overnight aboard. No boat can seem large enough for all uses, but advance planning at purchase time will make for much more enjoyable cruising.

How Much Power?

The sturdy construction of your inboard will allow you wide leeway in the choice of powerplant for your new boat. If flashing runabout speed is your goal, the high horsepower marine engines and automotive adaptations can drive stock models up to 60-plus miles per hour, and up over 100 in the racing classes. And drop a Rolls Royce or Allison aircraft engine into an unlimited hydroplane hull and the racing driver can push past 190.

Speed for the cruiser owner does not mean winning races. Instead it enlarges the area of operation for a family. The harbors that can be reached before dark or over the weekend. Here the purchaser will look for established, reliable names in the marine field, manufacturers whose models can be counted on to run for hour after hour of dependable cruising. The inboard buyer can choose between the light versatility of gasoline power and the heavier but economical and less hazardous diesels.

Rather than swinging at a mooring like a deep keeled sailboat, the cruiser will usually be berthed at a slip. Here maneuvering may be a problem, and twin engines can pay off in peace of mind. Offshore it is good to know that should one engine have problems or one propeller and shaft be bent by an unseen log, the other powerplant alone can bring you safely home. If size of boat and budget allow, by all means select twin engines.

CHECK LIST FOR THE INBOARD BUYER

- ☐ **Is this boat suitable for your local waters? Suitable for longer trips you may want to take?**
- ☐ **Is she similar to craft you have already handled so that you (and your family) will feel comfortable about your ability to skipper her?**
- ☐ **Does the builder have a well established reputation?**
- ☐ **Can the dealer refer you to other satisfied owners?**

HULL

- ☐ **Have hulls of this type proved stable and seakindly in your local waters?**
- ☐ **Have the materials (wood, metal, or plastic) stood up well in your area?**
- ☐ **Is it easy to repair?**
- ☐ **Do the boats have good resale value?**
- ☐ **For the number of years you expect to keep the boat, does the design have styling which will continue to be pleasing, or will it be outmoded rapidly?**

ENGINES

- ☐ **Will your choice of power give you the speed and cruising range you will require?**
- ☐ **Can your purchase be budgeted to allow for twin engine installation for added safety and maneuverability?**
- ☐ **Do your motor manufacturers have an established reputation and good repair and servicing facilities in your area?**

ACCOMMODATIONS

- ☐ **Are both cockpit and cabin accommodations adequate for family entertaining and cruising?**
- ☐ **Can cabin be kept warm in cold weather, well ventilated and screened when it's hot?**
- ☐ **Is your choice "fully found," or will a great many items of equipment and accessories be required?**

THE ANCHORAGE
WARREN, R. I.

DYERCRAFT "29"

29' all-fiberglass boat is available powered by gasoline or diesel motors, single or twin screw, for speeds to 25 knots. Features include sound-proofing, insulation, ventilation and extensive use of teak. Manufacturer also offers fiberglass boats ranging from 7'9", 9', 10', 12', 16', to 33', 36', 40' and 42' overall.

THE BALCO YACHT CO.
P. O. BOX 4065, DUNDALK 22, MD.

SEA DUKE

27' solid fiberglass cruiser. 8'5" beam, 2'3" draft. Has flying bridge, self-bailing cockpit, ice box, dinette, berths, storage, etc. Prices start at $7,585. Available as outboard, $6,150; available as utility and sport models, outboard and inboard, from $4,600. Other boats available: 19' "Morphean," solid fiberglass flying bridge cruiser with mahogany beams and decking, 4'6" headroom, 20 gal. fuel tank, bronze shaft, rudder, and strut, 6'5" beam, lights, toilet, forward hatch, lines, rails, insulated engine box, bell, horn, life preservers, fire extinguisher, ventilated bilges, sliding safety glass windows, controls, instruments, storage, etc., weight 1,600 lbs., price $4,030 up; available as outboard, weight 800 lbs., less some of the above features, price $2,550. 23' "Chesapeake Weekender," solid fiberglass flying bridge cruiser with construction and features similar to the Morphean, price $5,980 up; available as outboard, price $4,400. Other models, all fiberglass, from 16' to 27', starting at $795.

BARBOUR BOATS, INC.
SOUTH FRONT ST., NEW BERN, N. C.

SILVER CLIPPER SPORTSMAN

22'x7'6", fitted with Gray, Chrysler or VIP twin engines of 60 to 215 HP, giving top speed of 40 mph, and 30 mph cruising speed. Fuel capacity, 60 gallons. Boat sleeps 2, has head. Features windshield, lifting rings, running lights, cushions, installed steering wheel, forward storage compartment, anti-fouling paint, all chrome fittings, stern and bow light, bow chocks, cleats, chrome bumper guard and self-draining cockpit. Accessories include canopy top, side curtains, cockpit cover, drop curtain, double bottom and motor box cushion. Also available in Hard-top and Convertible models, without sleeping accommodations or head.

BAY HEAD SKIFFS
NEW JERSEY YACHT SALES CORP.
RT. 35, POINT PLEASANT BEACH, N. J.

BLUEWATER DAY SPORTSFISHERMAN

28' skiff with convertible shelter top having a hinged forward section over the helmsman's seat. Planking and superstructure are of African mahogany, on white oak frames. Cockpit is self-bailing and neoprene sealed. Equipped with two 6'3" berths, toilet, hardware, lockers, lights, guard rails. Price, with 135 HP Chrysler Crown Special marine engine, $9,875.

35' EXPRESS SPORTFISHERMAN

Has twin Chrysler V-8's with top speed of over 30 mph. Interior features: accommodations for five, two toilets and shower. Electric refrigerator and freezer, hydraulic controls.

SUPER-SPORTS EXPRESS

36' boat achieves speeds past 40 mph with standard twin 275 HP Chrysler engines; has Jersey lapstrake skiff hull, all-teak decks, Monel tanks and shafts, raised teak bridge and Monel fish well flush under cockpit. Living features include sleeping facilities for 4; separate toilet and basin for forward crew's quarters; dinette; all-electric, stainless-steel galley and double-door electric refrigerator; enclosed toilet room with sink, vanity and hot water shower and locker space.

BURGER BOAT CO.
MANITOWOC, WIS.

BURGER LUXURY CRUISERS

Line of 54' to 80' cruisers in choice of steel or all-welded aluminum alloy. Burger 65 footer, above. All feature four watertight bulkheads, tanks built integral with hull, round vee-form bottom. All models except Burger 80 powered by GM 6-71 Diesels. **Burger 75** has flush decks, raised bridge, three staterooms, lounge aft, teak afterdeck, 12' dining salon forward, crew's quarters and private captain's stateroom. **Burger 60** carries 900 gallons of fuel, three staterooms, dinette, galley, crew's quarters. **Burger 54** carries 800 gallons of fuel, speeds 13-15 mph, open bridge, flush decks, galley, dinette, two staterooms, crew's quarters. **Burger 80** has 22' lounge, dining salon forward, raised bridge, teak decks, crew's quarters, lounge, powered by two GM 110 Diesel engines.

CENTURY BOAT CO.
MANISTEE, MICH.

RESORTER 16

16'4"x6'1"x18" runabout with 1060 lb. hull weight, 38" depth. Freeboard: forward, 25¾"; aft, 19½". Seats 6. Sliding removable top and ski-tow ring optional. Other features and equipment same as Coronado 21. Available with a variety of Gray, Chrysler, and Dearborn engines from $3,700 to $4,035.

NORDIC 19

18'3"x6'8"x18½" utility with 1,300 lb. hull weight, 42" depth. Freeboard: forward, 36"; aft, 27". Features stern-facing seats, table that folds off sound-proof motor box, triple-braced bottom, automotive-type steering wheel, African mahogany planking, lapstrake construction, silicon-bronze fastenings, bronze propeller shaft, equipoise propeller, 22 gal. gas tank, battery, lights. Available with a variety of Gray engines from $3,170 to $3,555.

RESORTER 19

19'x6'10"x19½" runabout with 1,590 lb. hull weight, 42" depth. Freeboard: forward, 29"; aft, 20". Features and equipment similar to "Resorter 16."

CORONADO 21

21'x7'8"x21" runabout with 2,010 lb. hull weight, 26" depth. Freeboard: forward, 31½"; aft, 21". Features a redesigned landau top which slides, in one piece, from weather-tight closing at the wraparound windshield to the canted sternboard. Triple-braced bottom construction, African mahogany planking, bronze fastenings, upholstery, hardware, steering; bronze rudder, strut, propeller shaft. Battery, baffled gasoline tank, fire extinguisher, instrument panel, improved hull ventilation, horn, storage, and numerous accessories. Available with a variety of Gray, Chrysler, and Dearborn engines from $5,995 to $7,595.

RAVEN 22

21'11"x7'10"x21" utility with 2,100 lb. hull weight, 51" depth. Freeboard: forward, 40"; aft, 29". Features a single helmsman's seat at a cruiser-command station. Table top folds up from sound-proof engine box. Two 6' bunks beneath forward deck. Watertight locker, triple-braced bottom, African mahogany planking, lapstrake construction. Steering, windshield, instrument panel, optional toilet, battery, forward hatch, 50 gal. gas tank, lights, hardware. Available with a variety of Gray, Chrysler, and Dearborn engines from $5,145 to $5,515. Also available in hardtop model.

CLAYTON SKIFFS, INC.
FISCHER BLVD., TOMS RIVER, N. J.

23' CLAYTON

109 and 125 HP runabout, with capacity of 6. Lapstrake construction, copper riveted, Everdure fastening, mahogany planked, fiberglass deck, multicolor painting, 2 berths, toilet, white oak keel, rib, and framing. Price, including 109 HP engine, navigation lights, adjustable windshield: $4,795. Accessories: top and side curtains, $115; auto. electric bilge pump, $75; cockpit covers, $75; berth cushions, $83; stern seat and back rest cushions, $75; engine box cushions, $35; portable fishwell, $95.

20' CLAYTON

125 to 225 hp twin screw skiff, with speeds up to 35 mph. Fuel capacity 60 gal. Sleeps 2, has 1 head. Lapstrake construction, copper riveted, Everdure fastenings, ribs 8" on center, white oak keel, ribs, and framing, 5¼" spruce shelf around sheer. Special features: fiberglass deck, adjustable windshield, monel gas tank, copper exhaust, hydraulic shift, stainless steel rub rail striping, berth cushions. Price, including special features and navigation lights: from $6,295 with single screw to $7,995 with twin screw engines. Accessories:

top and side curtains, $120; shelter cabin with hard top, $395; auto. electric bilge pump, $75; 1½ to 1 reduction gear, $200 each; cockpit cover, $75; engine box, $35; portable fish-well, $95.

34' CLAYTON
125 to 225 twin V8 HP engine cruiser. Top speed 35 mph. Lapstrake construction, copper riveted, Everdure fastenings, ribs 8" on center, white oak rib frames and keel, 2" shelf around sheer. Sleeps 4 to 6. Special features: monel gas and water tank, all fiberglass deck, mahogany after cockpit, sliding windows, flush after cockpit, private lavatory, formica galley top and dinette top. Price, including cushions, mooring lines, anchor, screens, 4 life preservers, 2 fire extinguishers, stove, medicine cabinet, galley sink and porcelain basin, toilet: $13,390; with a pair of 125 HP Chrysler engines, and $14,060 with a pair of Gray Direct Drive V8-225 HP engines. Express Cruiser and Sportfisherman Models.

COLONIAL BOAT WORKS
MILLVILLE, N. J.

COLONIAL "34" EXPRESS
34'x11'2"x2'6". Colonial Express Cruiser, sleeps 4. 6'2" headroom in cabin. Built of cedar planking on sawed white oak frames, Everdur fastened. Features Colonial "Round-Vee" hull, two permanent berths forward, enclosed toilet, complete galley and dinette. Twin power, reduction drives and hydraulic clutch controls are standard equipment. Power selections range from 95 to 225 HP each engine.

COLONIAL "34" GULFSTREAM
34'x11'3" beam. Colonial Gulfstream Sport Cruiser of similar construction to the 34' Express Cruiser. Features large cockpit with space for fishing chairs and related equipment. A complete galley and dinette under the hardtop converts to double bedroom, and two permanent berths and private toilet are located forward. Twin power as per the Express Cruiser.

COLONIAL "34" SEDAN
Same over-all specs and characteristics as 34' Express Cruiser except that deckhouse lounge converts to double bedroom. Boat sleeps six.

COLONIAL DOUBLE CABIN "40"
40'x13'6"x2'10". Colonial Double Cabin Cruiser, sleeps eight. 6'2" headroom. Features Colonial "Round-Vee" hull constructed of cedar planking on sawed white oak frames, Everdur fastened; master bedroom aft. Twin power, hydraulic clutch controls and reduction drives are standard equipment. Power options from 170 HP to 225 HP each engine. Diesel power may be specified.

Many other Colonials available in models from 24' to 53'.

COMMODORE BOATS
NEW BERN, N. C.

18' ANGLER
18'3"x7'x37" depth. Approx. wt. 1500 lbs. Approx. speeds, 27 MPH 60 HP; 29 MPH 75 HP; 32 MPH 100 HP. Steering, worm and pinion gear; Propeller shaft, bronze 1" diameter; bronze shoe and skeg; rubber engine mounts, full instrument panel, oil gauge, ammeter, tachometer, engine hour meter, temperature gauge; self-aligning shaft log, propeller, 3 blade bronze rudder, storage battery, 35 gal. gas tank, motor instruction manual, gas measuring stick. Accessories, Navy folding top, full length cover, compass, toilet installed under front seat, side curtains. Price, $2,750 to $3,085.

HOLIDAY
20' speedboat powered by a 225 HP Gray marine engine for speeds over 40 mph. Features two-tone mahogany deck and bright colors to select from for hull decoration. 20' Dolphin runabout cruiser, sleeps two, features forward hatch, enclosed transom and spacious deck. Powered by a Gray 225 HP marine engine.

WEEKENDER
22'8"x8'1"x48" depth amidships x7'3½" transom width. Built of Philippine and African mahogany, brass, bronze and copper fastened. Two 6'2" berths, toilet and stowage space. Power option 110-215 HP. Full instrument panel, many extras. Weighs 2,300 lbs. Speeds from 20 to 32 mph.

VAGABOND
Identical to "Weekender" except that the "Vagabond" has a folding canopy top, side curtains, fish boxes, and is 350 lbs. lighter.

SEA MATE
25'x8'1"x48" depth amidships. Sleeps four; standard equipment includes opening windshield, forward hatch, enclosed toilet, full galley arrangement, dinette, fresh water tank, 50-gal. cap. gasoline tank. Built of mahogany and fir plywood for power options from 109 HP to 225 HP giving speeds up to 35 mph. 6' headroom.

CHRIS-CRAFT CORP.
POMPANO BEACH, FLA.

CHRIS-CRAFT FLEET
Boats from 17' up, runabouts, cruisers, etc.; full details on request.

21' CONTINENTAL
21'x7'5⅞"x22". Continental Landau runabout. Powered by 275 HP Chrysler V8 or Chris-Craft V8 which develops 208 gross HP and 185 shaft HP at 4,000 rpm. Top speeds 39 to 41 mph. Of Philippine mahogany construction. Boat carries 8 passengers and features open cockpit upholstered in "Textileather." Price from $5,980. Landau top available as accessory. Many other Chris-Craft models, larger and smaller, available.

28' CONSTELLATION
28'x9'4"x28½". Chris-Craft Constellation cruiser powered with twin 95 to 185 HP Chris-Craft engines giving a top speed of 37 mph. Fuel capacity 100 gals. Sleeps 4 and is equipped with dinette, twin wardrobes, vee berths forward, private toilet, galley, and many other items necessary for safety and comfort. Constructed of Philippine mahogany with double planked bottom and batten-seam sides. Price, from $13,480.

32' COMMANDER
32'x11'1"x26". Chris-Craft Commander cruiser powered by twin engine options up to Model-283 Chris-Craft V-8's providing speeds to 33 mph. Of Philippine mahogany construction, semi-enclosed bridge with streamlined hard top, ventilating windshield and side-shields. Cruising accommodations include galley, dinette, lounge, wardrobe, vee-berth stateroom forward, and private toilet-room. Price from $17,780.

33' SPORT FISHERMAN
33' Chris-Craft Sport Fisherman of Philippine mahogany construction, offshore hull design and fishing flybridge. Dual controls in semi-enclosed deck house, optional extra. Galley and dinette, stateroom forward, private toilet-room. Cockpit accommodates four chairs. Twin engine options up to Model-283 Chris-Craft V-8's provide speeds up to 34 mph.

35' CONSTELLATION
35'x11'1"x2'6". Chris-Craft Constellation cruiser. Motor yacht design with walk-around side decks and one-level cockpit approx. 13' long. Of Philippine mahogany construction with batten seams and double bottom planking. Cruising accommodations include galley, dinette, wardrobes, vee-berth stateroom forward and private toilet-room. Twin engine options up to Model-283 Chris-Craft V-8's. Speeds to 31 mph.

40' CONQUEROR
40' Christ-Craft Conqueror features Philippine mahogany construction, built-in sundeck and aft cockpit. Cruising accommodations include deckhouse with lounge, open-styled to unite galley and dinette, forward stateroom with private toilet facilities. Owner's cabin aft accessible from deckhouse or aft cockpit. Twin engine options up to 550 total horsepower, including diesels, provide speeds to 29 mph.

55' CONSTELLATION
55'x14'6"x40¼" Chris-Craft Constellation luxury yacht.

Powered by twin engines up to total of 600 horsepower (Chris-Craft, Chrysler or G.M. Diesels optional). Speeds to 25 mph. Philippine mahogany planking, double planking on bottom and batten seamed sides. Sleeps 10. Large inventory of equipment and accessories. Price from $58,490.

CAVALIER BOATS DIV.
CHRIS-CRAFT CORP.
POMPANO BEACH, FLA.

17' CAVALIER UTILITY

16'11¼"x6'5⅛"x18". Cavalier Utility runabout powered by Chris-Craft marine engine with choice of models from 95 to 185 shaft HP for top speeds from 32 mph to 40 mph. Built of Philippine mahogany plywood on Philippine mahogany frames, brass screws and bolts fastened. Positive worm and pinion steering, ventilated bilge. Equipment includes bow and stern poles with pennant and ensign, electric signal, hull drain plug, navigation lights, fender rails, windshield. Seats 6 passengers. Price, from $2,470. 15' Cavalier runabout also available. Deluxe and utility models and accessories available.

23' CAVALIER EXPRESS CRUISER

22'9¾"x8'2½"x19½". Cavalier Express Cruiser powered by new Model-283 V8 engine developing 208 gross HP, 185 corrected shaft HP, for speeds up to 35 mph. Sleeps 2 or 3 persons on foam rubber. Standard equipment and appointments include bow pole with pennant; cabin lights; 12-volt electrical system; chocks and cleats; cushions; stainless steel galley; fire extinguisher; fuel tank with overboard vent; glass rack; handrails; hatch ventilator; electric horn; ice box; engine instruments and panel; mast and range light; running lights; mattresses; mirror; stern seat; stove; dinette table; throttle control; toilet; ventilators; vinyl floor-covering; wardrobe. Constructed of Philippine mahogany and marine plywood fastened with brass screws and bolts. Price, $4,295. 25' Cavalier Express Cruiser also available; sleeps four. Price, $5,245. Accessories available.

SEA SKIFF DIV.
CHRIS-CRAFT CORP.
POMPANO BEACH, FLA.

22' RANGER TRUNK CABIN CRUISER

22'x8'1¾"x22¼". Sea Skiff Ranger Trunk Cabin Cruiser powered by choice of 95 to 130 HP Chris-Craft marine engine. Top speeds from 26 to 29 mph. Round bilge, lapstrake construction with synthetic-rubber seam reinforcement. Sleeps 2. Equipment and fittings include cleats, clutch controls, pedestal type throttle, screened deck hatch, dock lines, electric trumpet, engine exhaust pipe, fender rails, fresh water system, fuel tank and fittings, galley; icebox, instruments; lavatory basin and drain; navigation lights; bow pennant; rudder; sliding screens and windows; shaft log; shipping cradle; worm and pinion steering; stem band; stove; pump type toilet; tools; mattresses; ventilators; yacht ensign. Price, from $6,120.

30' SEA SKIFF SEMI-ENCLOSED

29'11½"x9'9"x2'4". Sea Skiff Semi-Enclosed cruiser powered by twin Chris-Craft engines (90 to 185 HP selection) for speeds up to 34 mph. Available in two models, for sleeping two or four persons. Round bilge, lapstrake construction, copper, brass and bronze fastened. Seams sealed with synthetic rubber compound. Equipment similar to that listed for 22' Ranger Trunk Cabin Cruiser, plus additional accessories, included in inventory. Price from $10,760.

40' SEA SKIFF SEMI-ENCLOSED

40'x12'x2'9". Sea Skiff Semi-Enclosed cruiser powered by twin Chris-Craft G.M. Diesels or Chrysler engines, for speeds up to 30 mph. Fuel capacity, 200 gals. Sleeps 6. Round bilge, lapstrake construction, copper, brass and bronze fastened. Seams sealed with synthetic rubber compound. Equipment similar to other listed Sea Skiffs, plus certain items available only on larger models. Price, from $36,420. Many other Sea Skiffs available in larger and smaller, open and closed models.

MFR., Sea Skiff Div., Chris-Craft Corp., Pompano Beach, Fla.

CRUIS-ALONG BOATS
SOLOMONS, MD.

VACATIONER 22

22' cruiser sleeps 3, has complete dinette, enclosed marine toilet, equipped galley, sliding windows and opening-forward window. Other models available are Angler 22, solid top fishing boat with 2 quarter berths, and both forward wheel and stern tiller. Two steering positions are also offered on Sportster 22, with two permanent quarter berths.

CLIPPER 28

28' Clipper features walk-around decks and self-bailing cockpit. Powered with twin or single engines, it is available with open flying bridge or hard top. Boat sleeps 4, has full-sized lavatory, equipped galley and locker space. Similar boat offered is **Gulfstream 28**, with optional flying bridge. Boat sleeps 4, has twin engines.

BLUE WATER 31

31' boat is offered in three models, Blue Water, sleeping 4, Convertible Sedan 31 and Custom 31, both sleeping 6. Features include one-level, self-bailing cockpit; galley; lavatory. All mahogany planked, optional flying bridge. All models are powered with twin engines.

E. W. & A. P. DUPONT CO.
PATTERSON, LA.

STEEL SPORT FISHERMEN

31', 35' and 42' steel hull Safticraft sport fishermen. Have roomy cockpits, flying bridges, dual controls. Equipped with dual gasoline or Mercedes Benz high-speed diesel engines. Prices, $14,000 to $30,000. Also available: 26', 31', 35' and 42' express cruisers, and 26' and 31' semi-enclosed cruisers. Prices start at about $6,300.

FLYING FINN, INC.
527 LEXINGTON AVE.
NEW YORK 17, N. Y.

SEAFIN 21

20'8"x90"x10½", with Palmer 135 HP engine. Speeds to 38 mph. Carries 7. Designed by Witthol for coastal waters. Full keel, lapstrake planking, copper rivets. Accessories: cushions, canvas convertible tops, side curtains, back curtains, mooring covers.

GRAFTON BOAT WORKS
GRAFTON, ILL.

HOLIDAY CRUISERS

25'11"x8'3"x1'10" cruiser, available also in express model; has single 225 HP Gray marine V-8 engine; one-piece reinforced fiberglass cabin roof; head; storage, and wrap-around plastic windshields. Different models sleep 2 to 4. Three other cruiser models, to 45', are offered by maker. Prices: from $6,592 to $46,520.

26' EXPRESS CRUISER

26' Express Cruiser has single 225 HP Graymarine V-8, and can achieve speeds to 33 mph. Boat sleeps 4, has dinette, storage locker, full headroom toilet, one-piece fiberglass galley top, one-piece reinforced fiberglass cabin roof and wrap-around plastic windshields.

HAMPTON SHIPYARDS
CARTER LANE, BOX 737
EAST QUOGUE, N. Y.

28' COLUMBIA HARDTOP

28' Columbia Hardtop accommodates 4 in separate cabins with private toilet, hanging lockers, drawer space, galley, ice box, electric fresh-water supply, and more. Sport bridge available as an accessory. "V" bottom design.

HIGGINS, INC.
BOX 8001, NEW ORLEANS 22, LA.

CRUISER

23' cruiser features cabin with 6'1" headroom, dinette, galley,

enclosed head and self-bailing cockpit fitted with a flush deck. Boat sleeps 3, has wraparound windshield and complete instrument panel. Hull planking is attached to all structural members with both glue and screw fastenings. All wood is treated with a preservative.

HUCKINS YACHT CORP.
JACKSONVILLE, FLA.

NEW FAIRFORM FLYERS

Listed for 1959 as regulars in the Fairform Flyer line are the Sportsman 40, a cruiser-commuter with twin GM or Chrysler diesels delivering 21 to 30 knots; and the Seafarer 64, a full-planing diesel powered model with accommodations for 6, plus a crew of 3, luxury fittings, and speeds to 20 knots.

FAIRFORM FLYER CARIBBEAN

60′ yacht with GM Turbo Diesels-in-Stern, cruises at 23 knots, sleeps eight. Other features similar to "Sportsman."

FAIRFORM FLYER SPORTSMAN

40′ cruiser sleeps five, speeds to 36 mph, powered with GM Diesels or Chryslers. Watertight compartments, double diagonal laminated mahogany planking, white oak frames and laminated keels, copper, bronze, and Monel fastenings, controls, electric toilets, water pressure system, Monel fuel and water tanks. Full line of other models available from 34′ to 80′ hulls, with choice of engines.

INLAND SEAS BOAT CO.
SANDUSKY, OHIO

STEEL CLIPPER 28

28′x9′4″, steel hull Flying Bridge Sedan with Vinyl plastic coating inside and out. Accommodates four on extended cruises, also available as a semi-enclosed day cruiser, sleeping two. Single gasoline engine to 275 HP and twins to 145 HP each.

STEEL CLIPPER 40

40′ Flying Bridge Sedan with hardtop, steel hull construction coated inside and out with Vinyl plastic. Sleeps six and includes as standard equipment: hot and cold running water, Formica and stainless steel galley, toilet room and dinette, foam rubber mattresses, and 12 and 110 volt wiring. Powered by gasoline or diesel, single or twin. Speeds in excess of 30 mph with twin 275 HP gas engines. Also available in a double cabin deckhouse model featuring a folding bulkhead aft that provides a 11′x23′ stateroom. Additional models in various sizes available.

MFR., Inland Seas Boat Co.

KEHRIG MFG. CO.
UTICA, MICH.

HACKERFORM CRUISER

Semi-enclosed model, with two berths, all steel construction, 32′x10′x2′6″ hull designed by John L. Hacker. Powered by twin 225 HP engines, speeds over 40 mph. Monohedron hull design; propeller shafts protected by Fairline struts; Federal Equipoise propeller, Marmac Dynafelx steering, electric bilge, blower, and pump, instruments, controls. Plastic sheet finish.

HACKERFORM COMPLETE CRUISER

Specifications, design, engines, features identical to semi-enclosed model, except sleeps 4-6, speeds over 35 mph.

KULAS BOAT WORKS
HOBART AVE., KEYPORT, N. J.

EXPRESS CRUISER

33′ mahogany lapstrake cruiser with flying bridge, dinette, galley, private lavatory, hydraulic steering, ice box, and fish well. Sleeps four to six. Power, twin 215 HP Interceptors with 2:1 reduction gears optional. Price, $19,500.

C. P. LEEK & SONS, INC.
MULLICA RIVER, LOWER BANK, N. J.

PACEMAKER 29′

29′x9′9″x2′4″ Sea Skiff Cruiser in Hardtop Express model with flush-floor engine hatch, nine stowage lockers, galley, hydraulic controls. Sleeps 4, has pressure water system, oak keel and framing, cedar planking, mahogany transom, hardware. Seven engines available with top speed of 26 mph. 6,600 lb. weight.

PACEMAKER 33′

33′ Sea Skiff Cruiser in Hardtop Express model with 10′10″ beam. Sleeps 4; has ten stowage lockers. Pressure water system supplies galley and toilet. Sliding cabin windows, ice box, sink, cedar planking, oak framing and keel, mahogany transom and decking.

Available in any of four single engines or six twin engines (latter provides up to 26.1 knots). The Sea Skiff Cruisers are also available in sport fisherman models and two other models.

40′ PACEMAKER

40′x12′7″x2′11″ cruiser is available in three models, Standard Express and Sport Fisherman, both sleeping 4 or 6, and Deluxe Sedan, sleeping 6 or 8. Features include galley with 8 cu. ft. refrigerator, storage space, enclosed head with optional shower and dinette. Second head is optional. A choice of 6 different twin engines, gasoline or diesel, provides maximum top speed of 26 knots. Keel, framing and floors are oak; bottom and side planking is clear cedar.

HENRY LUHRS, INC.
MORGAN, N. J.

23′ OPEN SEA SKIFF

8′ beam. Features 109 HP Gray engine, with other power options from 70 to 225 HP; fire extinguisher, toilet, electric bilge pump, anchor. ¾″ solid cedar planking fastened with copper rivets to ¾″x1¼″ oak frame. Forward freeboard, 50″, cockpit depth at stern 34″, mahogany bulkhead, chrome plated hardware, bronze shafting, 30 gallon baffled gas tank. Complete hardware and instrument panel. Price with 109 HP engine, $3,220.

23′ SHELTER CABIN SKIFF

23′x8′, weight 3,000 lbs. Has equipoise propeller, ¾″ mahogany shelter cabin, 6′2″ cabin headroom, adjustable forward hatch, flush cockpit deck, ¾″ cedar planking, 3″x12″ keel, chrome hardware, 30 gal. baffled gas tank, enclosed toilet, electric bilge pump, horn, fire extinguisher, full instrument panel. Price, including 109 HP Gray engine, $3,565. 6 or 12 volt battery system optional.

27′ LUHRS SEA SKIFF

27′x9′2″, weight 6,000 lbs. Has 12 volt battery system, ¾″ cedar planking, 6″ centers or ⅞″x 1⅜″ oak frames, ⅞″ mahogany bulkhead and transom, bunks with cushions, 6′2″ cabin headroom, mahogany cockpit deck-

ing, self-bailing cockpit, forward hatch, 60 gal. baffled gas tank, bell, toilet, fire extinguishers, 18 lb. anchor, upholstery, hardware. Full panel and controls. Power options from 125 to 225 HP. Price with 125 HP Chrysler engine, $5,950.

31′ LUHRS SEA SKIFF

31′x10′ with ¾″ cedar planking, copper rivets, twin 95 HP Chrysler engines, hydraulic controls, head, galley, anchor and lines, upholstery, fire extinguishers, electric bilge pump, mahogany cockpit decking, hardware, 2—60 gallon gas tanks, 15 gallon fresh water tank, sink, stove, canvas cover over bridge. Price, $9,995.

LYMAN BOAT WORKS, INC.
1627 FIRST ST., SANDUSKY, OHIO

LYMAN 18′ ISLANDER

18′ over all length. Clinker built of 5 ply, ⅜″ marine plywood planking fastened with silicon bronze nails with rubberized cement in the seams. Special features are steering gear and controls mounted amidships in standard model for fishing facility. 60 HP motor. Accessories as in other Lyman boats.

LYMAN 19′ RUNABOUT

19′ over all length, clinker built of 5-ply ⅜″ thick marine plywood planking fastened with silicon bronze nails with seams sealed with rubberized cement. Special features are new windshield and top designs. Power options are 60 and 125 HP gasoline engines.

LYMAN 23′ RUNABOUT

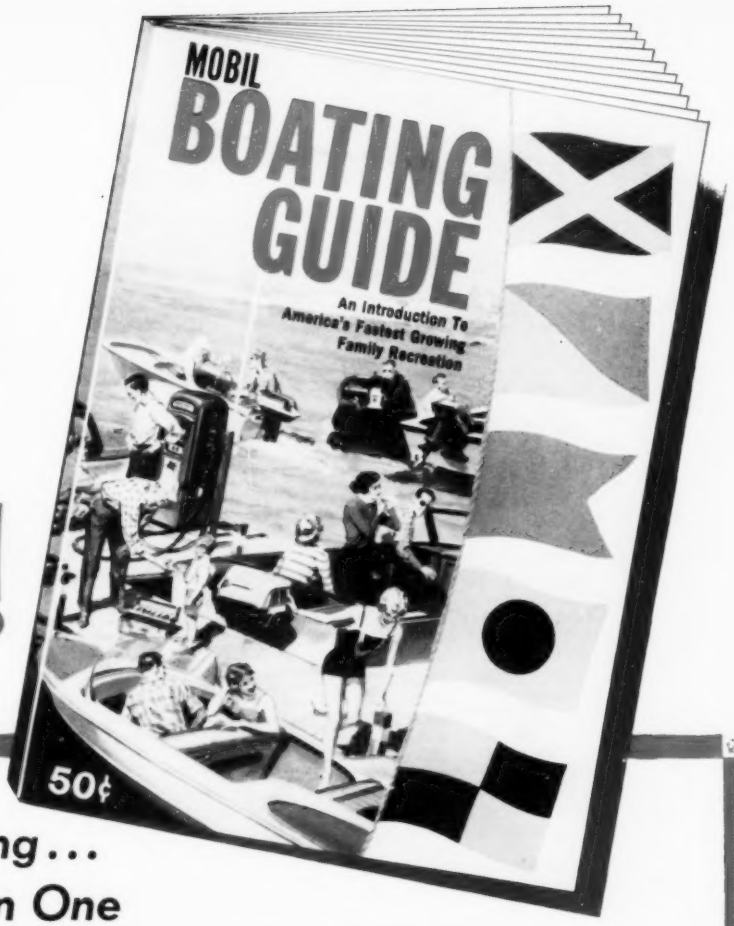
Built especially for open waters. Accommodates seven passengers in forward cockpit and stern seat. Stowage compartments under the stern seat and behind the forward backrest. Forward hatch is standard equipment. Motors optional. 109-165 HP, 25-35 mph. Bunks and toilet optional.

MARBLEHEAD BOAT YARD
POOL RD., BIDDEFORD, ME.

23′ CRUISER

23′4″x8′x2″. Round bilge construction, carvel planked. Power, Palmer. Dual marine windows forward. Custom hardware in polished manganese bronze. Choice of three engine installations, ranging from 115 to 145 HP. Sleeps

HERE FOR THE FIRST TIME!



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two and is completely fitted out for cruising with stove, ice box, enamel sink and 20 gal. water supply. Has ample stowage space for food and utensils. Price, from $5,650.

MARBLEHEAD "26"

26'x9'5"x2'4" cruiser, sleeps four, 6' headroom throughout. Cedar planking on oak frames, round bilge construction. Features hanging lockers, stowage and cabin space, two full-length bunks, galley, hardware, lights, horn, anchor, sink, stove; power, 135 HP Palmer. Prices on application.

BASS BOAT

23'4"x8'x2". Round bilge construction, carvel planked. Power, Palmer. Tillers and dual controls 'fore and aft and can be handled with complete control from either station. Dual monel tanks give a long cruising range. Three optional engine installations ranging from 115 to 145 HP. Sleeps two on permanent bunks in cuddy cabin and has ample dry stowage for rods, tackle, radiotelephone and other equipment. Spray rails. Price, from $5,695.

23' UTILITY

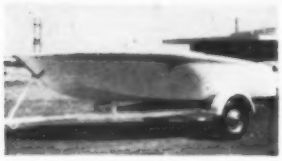
23'4"x8'x2". Round bilge construction, carvel planked. Power, Palmer. Sleeps two on permanent bunks. Has single controls forward and a single 40 gal. gas tank. Engines optional from 115 to 145 HP. Price, from $5,350.

E. G. McCREA & CO.
NORTH HATLEY, QUEBEC, CANADA

INBOARD-OUTBOARD CRUISER

22'6"x96"x5" with 68" cabin headroom, 2000 lb. displacement. Laminated fiberglass top, plastic windows; upper and lower berths accommodate four; convex-vee bottom; rated at 100 HP (inboard or outboard). Speeds to 35 mph. Pattern unit available at $26.50.

N-VEE CO. INC.
1538 PLACENTIA AVE.,
COSTA MESA, CALIF.



RUM RUNNER

16' runabout. Construction: Royal Marine plywood, Philippine mahogany and oak. Completely fiberglassed; modified V bottom. 245 HP Chevrolet engine said to give speeds up to 50-60 mph. Price, $2,495. Trailer, $275.

OWENS YACHT CO.
BALTIMORE 22, MD.

35' CRUISERS

Features and equipment similar to 28' cruisers; also available in Flying Bridge and Lapstrake models, 34'6"x12'1"x2'3", V-8 engines; Flying Bridge model sleeps 6-7. Priced from $14,975.

22' DELUXE CRUISER

22'4"x8'5"x1'2" wood panel or lapstrake models. Feature galley and dinette, curtains, hull bailer, mattresses, toilet, lights, horn, fire extinguisher, battery, gas and water tanks. V-8 engine, man. or hyd. rev. Priced from $4,895. Also available: 22' Family Cruiser in wood panel construction only, more moderately equipped. With 4/60 man. rev. engine, $4,195; other engines also available.

2500 EXPRESS CRUISER

Loewy designed model, 24'2"x 9'x2'. Sleeps 4-5. Power: 220 HP V-8 engine. Instruments, lights, cabin equipment, chrome fittings. Price, $6,495.

28' CRUISERS

Feature large cockpit areas, wide decks, appointments. Available in double-planked Flying Bridge model with full instruments, lights, lines, 2 propellers, fire extinguishers, toilet, ice box, stove, mattresses, horn, V-8 engine; also in Lapstrake model with double planked bottom, watertight bulkhead, V-8 engine, and other equipment similar to Flying Bridge model. Both models 28'9"x10'5"x2'2". Priced from $8,395.

PEARSON CORP.
1 CONSTITUTION ST., BRISTOL, R. I.

PEERLESS CHALLENGER

21' fiberglass boat available as heavy-duty sports fisherman with open-cockpit or cabin cruiser with flying bridge. 2 built-in 6'3" bunks, head, sink, ice box, stove, and following choice of inboard power: 125 HP or 185 HP Interceptor engine. Also available in an outboard model. A variety of other boats, inboard, outboard and sail, by the builder.

PEMBROKE BOATS, INC.
EPSOM, N. H.

SEA SKIFFS

A complete line of round bilge lapstrake sea skiffs, 17', 22' and 26' in length. Featured is the express cruiser "26", which sleeps 4 and is equipped with dinette, galley, enclosed head and automotive-type heavy duty steering, as well as flying bridge, windshield, convertible top, 40 gallon gas tank and flush self-bailing cockpit. It is powered with Chrysler "Crown" and achieves speeds to 26 mph.

PERMA CRAFT CORP.
22704 HARPER,
ST. CLAIR SHORES, MICH.

SEA SHELL

28' custom-built, all fiberglass, available in sedan cruiser, flying bridge cruiser, sport fisherman cruiser or hull only, for owner to complete. Boat can be used with single or twin motors, and can attain speeds up to 40 mph with a single motor. Price, from $7,800 on complete cruiser.

PLASTIC FABRICATIONS, INC.
605 W. 25 ST., HIALEAH, FLA.

IROQUOIS

20' utility equipped with 109 HP Gray engine, two forward berths, toilet, plexiglass windshield, ventilators, lights, convertible top, side curtains, bunk cushions, dock lines, anchor, etc. All fiberglass. Top speed over 30 mph. Price, $4,250.

PORTLAND BOAT WORKS
5861 N.E. PORTLAND HWY.,
PORTLAND 13, ORE.

GYDED MISSEL

18' runabout with 275 HP Chrysler engine, gives speeds up to 60 mph. Engine bedded in rubber sealer on mahogany thwartship frames and oak longitudinal stringers.

REVEL CRAFT MFG. CO.
P. O. BOX 20, ARNOLD, MD.

23' SKIFF EXPRESS CRUISER

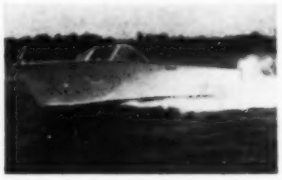
Available in various models, 23' inboard cruiser sleeps 2, and is equipped with 109 HP Gray Marine engine with hydraulic clutch capable of developing speeds to 35 mph. Steering is of gear type with direct rod hookup. Features include private toilet, running water, sink, ice chest, full length toe and grab rails, tachometer, ammeter, heavy duty battery, 30 gallon vented tank, copper gas line with safety shut-off valve and removable cockpit hatches. Price, $4,995. Also available in outboard cruiser model, $2,995; as hardtop cruiser, inboard model $4,595, outboard model $2,495; and as convertible cruiser, outboard model, $2,395, and inboard model $4,495.

REX MARINE CENTER, INC.
WATER ST.,
SOUTH NORWALK, CONN.

31' OFFSHORE

31' Offshore cruiser sleeps 2, has twin 95 HP Chrysler engines, flying bridge, full head and galley, electric bilge pump, 2 fire extinguishers, self-bailing cockpit and upholstered pilot seat. Price: $9,995. Also available is 31' skiff without flying bridge, with 2 extra forward bunks, twin 125 HP engines and dinette optional. Price: $9,195. 22' and 27' models are also available.

RICHARDSON BOAT CO., INC.
NORTH TONAWANDA, N. Y.

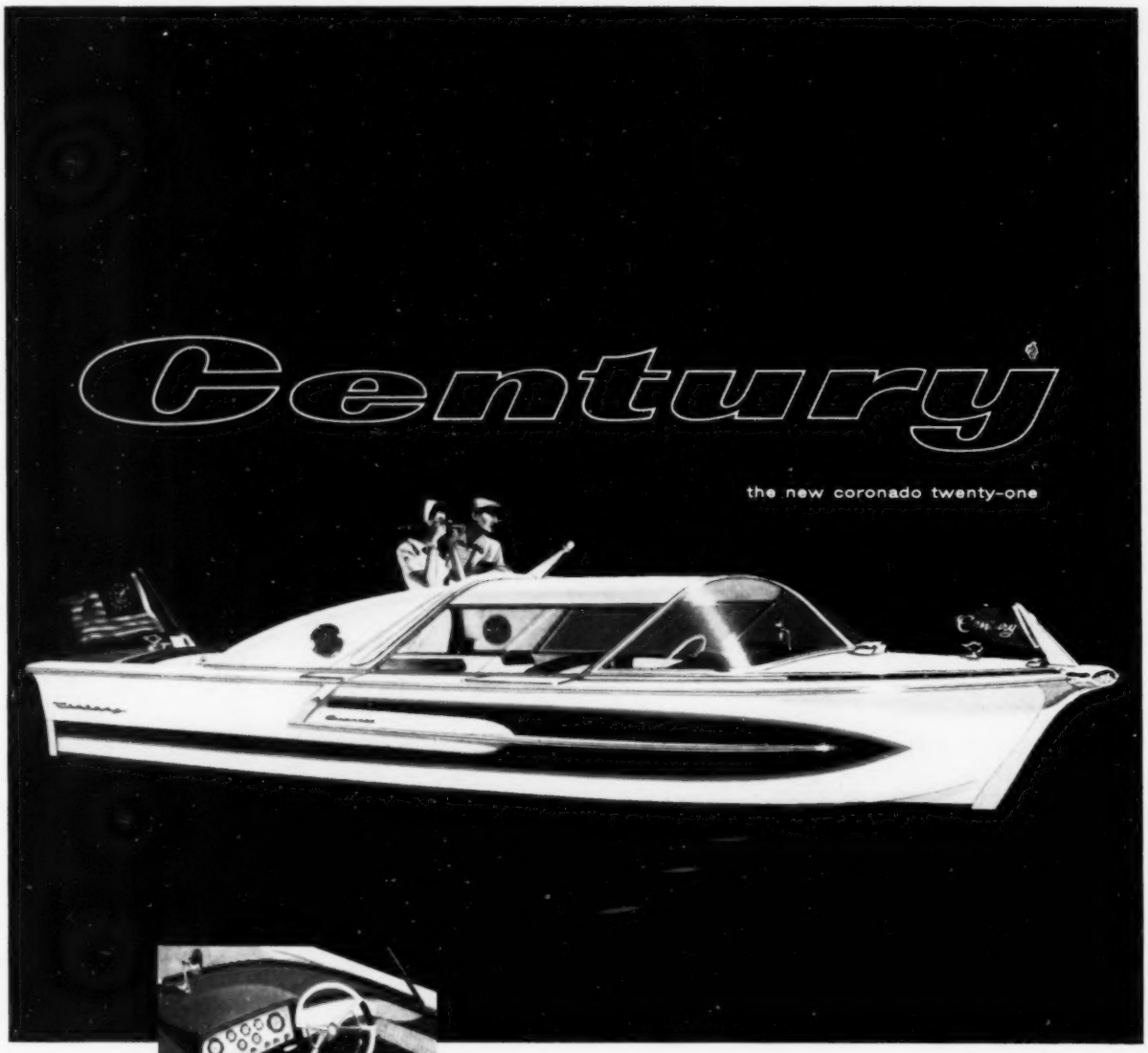


"24" UTILITY

24'x8'8"x2'1" cruiser is equipped with companion pilot seats, stern seat and toilet in forepeak. Power is a 170 HP Gray standard with hydraulic clutch controls. Manufacturer plans similar Express model to sleep 2 or 4, with enclosed toilet and galley.

"31" GOLDEN EXPRESS

31' boat sleeps 6, has large trunk cabin, dinette, complete galley, enclosed toilet, locker and storage space. Similar model, the "31" Golden Commuter (utility) sleeps 2. Both models have twin power, reduction drives and hydraulic



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world's most distinctive runabouts

CENTURY BOAT COMPANY, Box 600, Manistee, Michigan

Subsidiary of *The Overlakes Corporation*, New York City

clutch controls. Express has Vee-drives, and the Commuter the conventional straight drive.

JUBILEE "40" SEDAN

40'x12'10"x3'1" sedan sleeps 6, has two toilets with optional stall shower, galley, dining and lounging area, walk-around decks and handrails. Standard power installation calls for 170 HP V-8 engines driving through reduction Vee-drives and hydraulic clutch controls. Similar models are the "40" Express and "40" Custom Sport, both with exceptionally large cockpits. They have twin power as standard equipment with reduction Vee drives and hydraulic clutch controls.

DOUBLE CABIN "43" SALON

43' boat features salon deckhouse, wide flush walk-around decks, large sundeck, galley and dining room, 2 toilet rooms with stall shower optional, sleeps 10. Twin power, gasoline or diesel, is standard, as are reduction gears and hydraulic clutch controls.

46' MOTOR YACHT

46' motor yacht sleeps 10, has one-level salon deckhouse including galley and dining area, large sundeck, built-in chests, hanging lockers, 2 toilet rooms with stall shower optional. Twin power, hydraulic clutch controls and reduction drive are standard equipment, but diesel power may be specified.

ROAMER STEEL BOATS
A DIVISION OF CHRIS-CRAFT CORP.,
HOLLAND, MICH.

The president of Roamer Steel Boats has announced that all craft produced in 1959 will be equipped with "Capac," an electronic device which protects the hull exterior from corrosion, as standard equipment. "Capac" is a miniaturized version of the system developed by Engelhard Industries of Newark for large naval ships.

SPORTSMAN

25' and 28' semi-enclosed steel models for crusing or offshore fishing have hardtop styling. 25' model offers options in power to 215 HP and speeds to 31 mph, while 28' model has power options to 450 HP and speeds to 36 mph. Also available are 28' and 25' Express Cruisers. 28' model sleeps 4 and has full living facilities, cockpit enclosed with handrails and weather cloths. 25' Express has one-piece fiberglass top, full cabin facilities and full-width stern seat. Engine options up to 250 HP and speeds to 31 mph are available.

31' EXPRESS CRUISER

31'x11'3" cruiser sleeps 6, has convertible lounge and dinette, toilet, galley and 2 wardrobes. It is offered with twin engine options to 450 HP, giving speeds to 32 mph. Features one-level sundeck and large wardrobe lockers.

35' REGAL SEDAN CRUISER

35'x12' steel cruiser sleeps 6 in separate compartments, is completely enclosed, and is offered with twin engine options to 450 HP giving speeds to 30 mph. Similar 35' cruisers offered include Express, sleeps 6, has flying bridge, and Riviera, also sleeps 6, has sweeping hardtop. Power is same for all models.

42' CRUISERS

42' Series includes Royal, Riviera and Regal sedan, with all models featuring optional twin power combinations up to 550 HP and speeds to 25 mph. Royal sleeps 8, has hardtop bridge and owner's cabin aft with a sundeck. Riviera sleeps 6, has hardtop and 220 sq. ft. sundeck. Regal sedan sleeps 8, has glassed-in deckhouse and folding bulkhead.

52' MOTOR YACHT

52'x15' motor yacht has Vee-bottom hull of electrically-welded steel. Twin diesels with power options to 600 HP offer speeds up to 24 mph. Boat sleeps 10, has 6'4" headroom. Features include owner's separate stateroom, guest stateroom, forward stateroom or crew's quarters, separate galley and dinette. Boat also has carpeted salon and mahogany-finished interiors. Two toilet rooms with showers are optional.

ROBERTS & OLTHOUSE, INC.
3945 DIVISION AVE., S.,
GRAND RAPIDS 8, MICH.

BARRACUDA

19'6"x6'9" fiberglass speed boat features hydraulic planing surface, one-piece hull and standard power installation of Dearborn V-8 Interceptor 180, 215 or 360 HP. Included are running lights, mooring lines, horn, fire extinguisher, instrument panel and automatic bailer.

SALEM BOATS
SALEM, VA.

INBOARD CRUISER

25' cruiser fitted with 125 hp Chrysler Crown marine engine, 50 gal. gas capacity, bilge blower and automatic bilge pump. Sleeps 4, has toilet in separate room, mahogany dinette table, ice box, two-burner stove, sink, fresh water supply, running lights and complete deck hardware. Price: $6,500. Convertible tops and curtains available.

DOUGLAS SCOTT
DEVELOPMENT CORP.
3932 W. 150TH ST.,
CLEVELAND 11, OHIO

STEEL NAVIGATOR

25'11"x8'8¾"x2'6" steel cruiser is offered in three stages of construction, has Vee-bottom, cruises at 15 mph with standard installation of 95 HP Chris-Craft, sleeps 4, has sink, ice box, enclosed head and dinette for 4. Prices: complete, $3,995; semi-complete, in full operating condition, $2,995, and hull only, $995.

RANSOM F. SHOUP CO.
AHOSKIE, N. C.

20' STATESMAN

Clipper bow, lapstrake raised deck cabin cruiser, powered with Gray Marine 60 HP to 225 HP motors. Two bunks forward. Priced from $3,095 to $4,395. Also available: 20' EMPRESS overnighter with same motors, $2,995 to $4,295. Both have forward hatch, convertible top, windshield, hardware, lights.

SOUTH COAST CO.
NEWPORT BLVD., AT 23RD ST.,
NEWPORT BEACH, CALIF.

SOUTH COAST 18

18'6"x6'11½"x1'10" clinker runabout. Available with Graymarine 60, or 100 and Interceptor 125. Top speed 32 mph. Carries 7 seated passengers. All bronze and copper fastenings, oak frames and keel, clinker plywood planking, varnished mahogany trim, temperature control on engine, bronze shaft and strut, rubber bearing. Price, $3,370 including stainless gunwale guard, electric chrome running lights, staff and horn, chrome lifting eyes. Available accessories are marine toilet under forward seat, electric bilge pump, hull drain plug, electric windshield wiper, canvas cover, searchlight, etc.

SOUTH COAST BLUE WATER 30

30'x10'x2'4" cruiser. Pair of 200 HP Chrysler engines gives top speed of 40 mph. Cruises at 35 mph. Fuel capacity 196 gal. Sleeps 4 with galley and head. Double planked mahogany, all monel and bronze fastened, monel propellor shafts and gasoline tanks, manganese bronze struts and rudders, stainless steel water tank, Honduras mahogany trim, chrome hardware. Designed for high speed running in open water. Price, $24,500.00 including all airfoam cushions and mattresses, anchor, 2 fire extinguishers, stainless alcohol stove, life preservers, running lights, etc. Folding sport top available as extra.

SUMNER BOAT CO.
AMITYVILLE, N. Y.

EL PRESIDENTE

33' cabin cruiser with construction features similar to the Crusader, providing Compoglas hull which is non-sinking (Styrofoam flotation). Sleeps six in two separate cabins. Will handle 125 HP engine and provides top speed of 24 mph. Price, $19,500. Also available: 23' and 24' boats from $3,950.

CRUSADER

28' cabin cruiser accommodates four. Features "Compoglas" hull, ballast type keel which places weight of engine on keel. Low cockpit deck, horizontal propeller thrust. Will handle 135 HP motors and provides top speed of 20 mph. Priced from $7,990.

TERRY'S BOATS
HWY. 36 & CENTRAL AVE.,
W. KEANSBURG, N. J.

TERRY'S BOATS

23' Sport Fisherman with 95

NOW FOR THE FIRST TIME EVER! PROTECT YOUR BOAT WITH FEDERAL FIRE RETARDANT YACHT PAINTS

Now—for the first time in pleasure boating history—a yacht paint that *fights fire!* Think of it! When you paint your boat with Federal Fire Retardant Yacht Paint—you're painting on *fire protection, too!* The same fire-fighting paint formula proven and used in naval operation to protect ships and men. Now developed by Federal in beautiful tints especially for the interior surfaces of cruisers, sailboats, utility or outboard craft.

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Federal Fire Retardant Yacht Paint not only resists fire, it actually fights it—by releasing fire-smothering gases when exposed to flame or intense heat. Instead of a runaway blaze, you could have time for life-saving action. Instead of a total loss, you could have a boat that's still afloat and salvageable.

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We are rushing out Federal Fire Retardant Yacht Paint to dealers as quickly as possible. Because of the special importance of this paint, we urge you to contact us immediately if your dealer is not yet supplied.

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HP motor, $3,150. Details on request. Other listings under Outboards and Rowboats.

TROJAN BOAT CO.
LANCASTER, PENNA.

SKI BEE 17
17' runabout V-8 powered with engine options to 125 HP.

BIMINI 23
SPORTS FISHERMAN
23' sports fisherman has lap-strake construction with white oak framing. Boat sleeps 2, has private toilet compartment. Available with inboard power from 109 to 170 HP.

SEA BREEZE 23-2
23' cruiser sleeps 2, is available with wide range of power options, either inboard or outboard. Features include equipped galley, private head, 2 berths and built-in storage areas. Also available are con-

vertible canvas top, back and side curtains.

SEA BREEZE 23-4
23' family sedan sleeps four; cabin contains dinette, settee that converts into berths; galley, refrigerator, stove, sink, fresh water tank, toilet. A selection of V-8 power options.

SEA BREEZE 28
28' cruiser constructed of double planked solid mahogany below WL, white oak frames on 12" centers, optional teak or mahogany decks. Sleeps four. Numerous single or twin screw power options for speeds up to 40 mph.

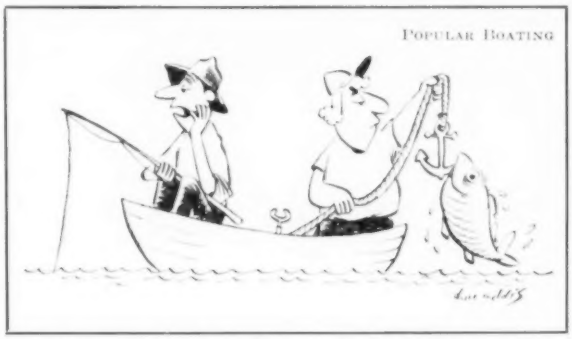
PHOTO PREVIEW OF NEW INBOARDS

CRUIS-ALONG BOATS
BLUEWATER 31
See Page 149

KEHRIG MFG. CO.
HACKERFORM CRUISER
See Page 150

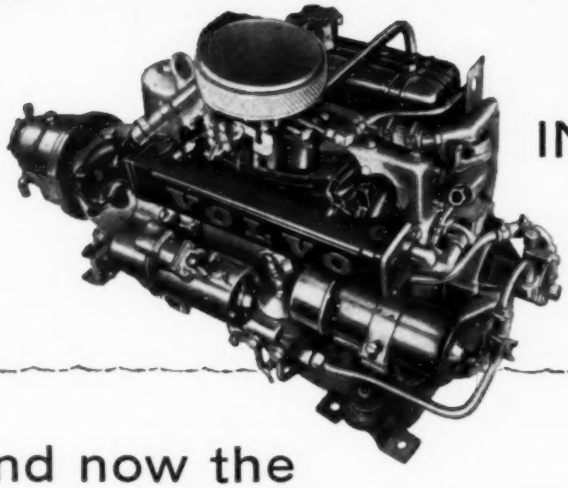
HUCKINS YACHT CORP.
FAIRFORM FLYER SPORTSMAN
See Page 150

HUCKINS YACHT CORP.
FAIRFORM FLYER CARIBBEAN
See Page 150



"Might as well up anchor . . . there's no fish here."

From Sweden came the **VOLVO...**



Masterpiece of INBOARD POWER

And now the

VOLVO AQUAMATIC

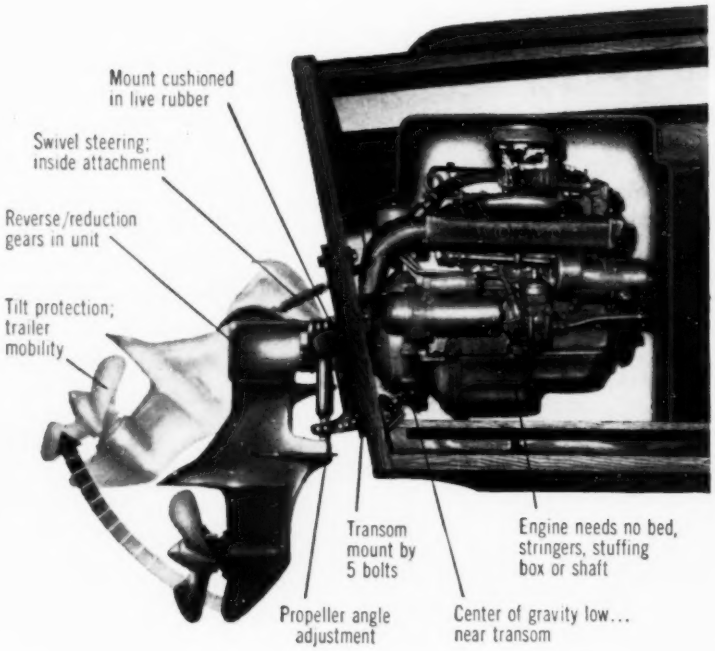
80 HP outboard performance with new inboard TRANS-MOUNT

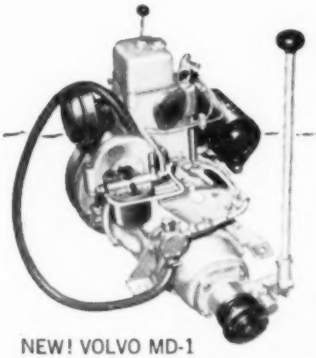
Sweden's famed 4-cycle marine engine linked to high-efficiency transom drive

There's a new performance now for outboard-type boats . . . more fun coming up for owners. Famed for operating hour after hour at sustained high speeds *with* economy, this Volvo is now engineered into a balanced power package. Here's outboard pep, with inboard safety! Here's 4-cycle smoothness . . . quietness. Here's dependability proven in North Sea storms; here's Swedish craftsmanship in high-efficiency performance on salt or fresh water.

New Volvo AQUAMATIC POWER matches outboard speed at ⅓ the fuel cost

Engine and drive with reverse-reduction gears are mounted in counterbalance on transom. Transom has full height safety; no extra well needed. In actual tests, Aquamatic fuel costs averaged only 67¢ an hour versus $2.15 for conventional outboard power. And no messy oil mixing. Inboard quiet, inboard safety, with tilt protection in water, tilt convenience for beaching and trailer hauling.





NEW! VOLVO MD-1
5 HP 1-cylinder Auxiliary Diesel

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See the fine line of Volvo Engines ...at the NEW YORK BOAT SHOW

VOLVO

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VOLVO IMPORT, INC.
Marine Engine Division, 452 Hudson Terrace
Englewood Cliffs, New Jersey

SAILBOATS

SAILBOATS offer more of a challenge to the skill and seamanship of the boatman than any other type of craft, and at the same time may reward the owner with greater boating enjoyment, whether racing or cruising. The range of boats available to the sailing enthusiast runs from the increasingly popular sailing surfboard types to craft capable of making round-the-world cruises. Indeed, cruising sailboats of 30 feet in length or larger are probably the most versatile craft available to the boatman. These can be used for afternoon sailing or gunkholing, for weekend trips, for racing, and for extended voyages.

How Will It Be Used

You're sold on the idea of sailing, and ready to buy a boat. What determines your choice? Do you want to race, or cruise, or do both? If you want to race, your choice may be dictated by the popularity of a given class in your area. If there are several active classes, take into consideration such factors as original cost, maintenance, necessity and availability of special racing equipment and sails, your own experience in racing, and the number of persons you can count on to serve as racing crew. Obviously, a sailing dinghy with its one sail does not need the crew required on something like a six meter class boat, where there can be considerable sail changing—including spinnakers and genoas—during a race. Also, your racing craft may have to do double duty as a day sailer with the family, and your choice will be a boat with a cockpit that's large enough to provide comfortable seating for everyone.

Cruising Sailboats

If you're only interested in cruising, select a boat that will comfortably accommodate your family or regular crew. This may mean a boat with a large, roomy cockpit and a small shelter cabin for day sailing, or a fully-equipped cruiser with berths, head and galley. The range of available boats is such that it's possible to meet every cruising need. While it is important that a boat be large enough to be comfortable, the newcomer must be careful not to take on more boat than he can handle. The combination of too much boat and too little experience can be very dangerous.

Possession of a cruising sailboat does not limit the owner to cruising, especially if he belongs to his local yacht club. Most clubs have a racing program in which all members can participate, the boats being handicapped according to size, type and rig. Large boats may qualify for the long races such as the Bermuda, Nassau, Mackinac, Ensenada, and Hawaii events.

CHECK LIST FOR THE SAILBOAT BUYER

- ☐ **Is this boat suitable for your local waters?**
- ☐ **Suitable for longer trips you may want to take?**
- ☐ **Is she similar to craft you have already sailed so that you (and your family) will feel comfortable about your ability to handle her?**
- ☐ **Does the builder have a well-established reputation?**
- ☐ **Can the dealer refer you to other satisfied owners?**
- ☐ **Can the boat be sailed singlehanded?**

HULL

- ☐ **Have hulls of this type proved stable and seakindly in your local waters?**
- ☐ **Have the materials (wood, metal or plastic) stood up well in your area?**
- ☐ **Is it easy to repair and maintain?**
- ☐ **Do the boats have good resale value?**

RIGGING AND SAILS

- ☐ **Have rigging materials (stainless steel, monel or plow steel) stood up well in your area?**
- ☐ **Has allowance been made for rigging adjustments?**
- ☐ **Can her sails be handled easily by your family or regular crew?**
- ☐ **Are her sails (cotton, dacron or nylon) made by an established sailmaker?**
- ☐ **Are sails included in the price of the boat?**

RACING BOATS

- ☐ **Are there enough boats of the same class in your area to provide interesting and continued competition?**
- ☐ **Do hull, sails and rigging meet specifications for the class?**
- ☐ **Is she equipped with light racing blocks?**
- ☐ **Does she have enough sails to meet all racing requirements?**

CRUISING BOATS

- ☐ **Are cockpit and cabin accommodations adequate for family entertaining and cruising?**
- ☐ **Can cabin be kept warm in cold weather, well-ventilated and screened when it's hot?**
- ☐ **Is the boat "fully found," or will she require addition of a great many items of accessories and equipment?**
- ☐ **Does she have an auxiliary engine (gasoline or diesel)?**
- ☐ **Are good service and repair facilities for the engine available in your area?**
- ☐ **In a blow, will she be safe and reasonably comfortable for you and your family?**

Hull Form and Sail Rigs

Hull form plays an extremely important part in the performance of any sailboat. A boat with a long waterline length will generally be faster than one of the same displacement (weight) but shorter waterline length, for example. A boat with a broad beam will resist heeling more than a boat of similar length and draft but less beam. Also, a boat with a high percentage of weight below the waterline will be less tender than a similar boat that's more topheavy. Your choice of a centerboard boat versus one with a fixed outside keel may be determined by local waters. A centerboarder generally has less draft than a similar boat with a fixed keel.

Boats with long fore and aft overhangs look graceful and racy. On a racing boat such as a 12 meter, they are functional in that they provide more waterline length—and hence more speed—as the boat heels over in a breeze. On a boat under about 25 feet in length, this advantage is offset by the tendency of the boat to pitch rather violently in rough going.

Sloop, cutter, yawl, ketch or schooner—each rig has its advantages and disadvantages. Sloop and cutter rigs are considered the most efficient for racing, especially of the "closed circuit" type where tactics can play the most important role. This efficiency is offset by the handicap system that in some cases gives the advantage to the yawl rig in long-distance races. Also the large single mainsail of the sloop or cutter is more awkward to handle than the smaller main on a ketch or yawl. The ketch and yawl rigs are best where the crew is made up of the family. The schooner rig, once very popular, still makes for a graceful appearing boat. But sail handling can be awkward, with the many inherent complexities of the rig, and for racing, it is considered the least efficient.

AEROMARINE PLASTICS CORP.
BOUNTY DIV.
BOUNTY DOCK, SAUSALITO, CALIF.

BOUNTY II

40'10"x10'3"x5'9" all-plastic boat is now available with sloop or yawl rig. As sloop, sail area is 661 sq. ft.; as yawl, sail area is 722 sq. ft. Both models sleep 6 and are equipped with a Universal Atomic Four 25 HP engine with 2:1 reduction gear. Features include a new, lightweight aluminum mast. Price, $27,500.

ALCORT, INC.
BOX 1345, WATERBURY, CONN.

STANDARD SAILFISH

11'7½"x31½" centerboard catboat. Sail area 65 sq.ft. Sail materials, cotton, nylon. Weight of hull, 82 lbs. Finished in light gray with contrasting stripe. Carrying capacity 300 lbs. Price kit, $176 including deck, bottom, stem block, inner keel and deck beams all pre-cut and ready for assembly. Frames, daggerboard, trunk and mast block are complete sub-assemblies. Rudder, daggerboard, curved sides, guard rails, tiller, etc., are preshaped. Sail is included. Mast and spars are special aluminum alloy. All necessary hardware is supplied. Paint kit with paints and varnish in proper proportions is optional at slight extra cost. Boat, $297.

SUPER SAILFISH

13'x35½"x7" centerboard catboat. Sail area 75 sq. ft. Weight of hull 98 lbs. Sail material cotton, nylon. Price, kit $197 including deck, bottom, stem block, inner keel and deck beams, all pre-cut and ready for assembly. Frames, daggerboard trunk and mast block are complete sub-assemblies. Rudder, daggerboard, curved sides, guard rails, tiller, etc., are pre-shaped. Sail is included. Mast and spars are special aluminum alloy. All necessary hardware is supplied. Paint kit, with paints and varnish in proper proportions, is optional at slight extra cost. Boat, $334 complete.

SUNFISH

13'x3'11½"x7½" centerboard catboat. sail area 75 sq. ft. Sail material cotton, nylon. Marine plywood and Philippine mahogany. Finished in light green, light blue, light gray or bright red. Weight of hull is 135 lbs. and carrying capacity is 460 lbs. Mast and spars are special aluminum alloy, with no standing rigging. Price, kit $258 including deck, bottom, stem block, inner keel and deck beams are pre-cut. Frames, daggerboard trunk and mast block are complete sub-assemblies. Rudder, daggerboard, sides, coaming, tiller, etc., are preshaped. Sail is included as standard equipment, tailored from preshrunk white cotton. Hardware and fittings are supplied with each kit. Finishing kit, with paints and varnishes in proper proportions is available at slight extra cost. Boat, $395.

BALCO YACHT CO.
P. O. BOX 4065, DUNDALK 22, MD.

SEA DREAM

25' auxiliary sloop, with 4'6" draft, solid fiberglass hull, impregnated color, up to ¾" thickness, solid mahogany cabin and trim, 3,000 lbs. ballast, Sitka spruce mast and booms, marine plywood interior, bronze fastenings, canvas covered cabin top, 375 sq. ft. sail area, airfoam cushions, lights, bell, horn, life preservers, pyrene fire extinguishers, stainless sink and water tank, lavatory, racks, lockers, hardware, instruments, controls, ventilated bilges, stainless rigging, chrome plated deck fittings, anchor, rubber mounted 60 HP (or smaller) engine. Available in any state of completion desired. Price, $10,945.

BURGER BOAT CO.
MANITOWOC, WISC.

DYNA

58' all welded aluminum alloy yawl. Also available: **Aria** of same length and construction. Dyna suited for racing, Aria designed for pleasure cruising. Also available: **Pandora IV**, 68' cruising ketch. Interiors of all boats semi-custom, designed according to owner's specifications.

90' AUXILIARY

90'x21'x6'6" auxiliary of steel construction. Has three staterooms, crew's quarters, captain's stateroom, deckhouse, salon below with built-in bar and buffet, galley with freezer and refrigerator. Interior semi-customized according to owner's specifications.

BURR BROS. BOATS
NED'S POINT, MATTAPOISETT, MASS., AND FRONT ST., MARION, MASS.

AUXILIARIES AND MOTORBOATS

Builder offers a line of auxiliaries and motorboats up to 45' in length. Featured is a line in the light displacement class; the Alden 33' Malabar Senior, which can be rigged single handed and cruise with 4 or 5, and the 37' Ocean Explorer cutter. All vessels are built of Philippine mahogany on white oak.

CAPE COD
SHIPBUILDING CO.
WAREHAM, MASS.

MERCURY

15' Sparkman & Stephens design. L.W.L. 13'10", beam 5'5", draft, centerboard down, 39". Sail area, 119 sq. ft. Fiberglass construction. Sheer is guarded with an extruded Vinyl guard. Sold with or without sails.

MFR., Cape Cod Shipbuilding Co., Wareham, Mass.

CAPE COD BULL'S EYE

L.O.A. 15'8½", L.W.L. 12'6¾", beam 5'10", draft 2'5". Herreshoff design sloop, fiberglass construction. Bronze hardware, stainless steel rigging. Mahogany, varnished trim, aluminum spars with roller reefing gear.

CAPE COD RHODES 18

L.O.A. 18', L.W.L. 16', beam 6'3", draft 4' with centerboard down, sail area, 162 sq. ft. Sloop rig with overlapping jib, permanent backstay, aluminum mast, roller reefing. Also available in keel model.

RAVEN

L.O.A. 24'2", L.W.L. 21'7", beam 7', draft 7" with centerboard up, 5'4" with centerboard down. Roger McAleer design, molded one-piece fiberglass hull. Color molded in hull, topsides white; deck grey; interior, grey pebble grain.

23' CAPE COD MARLIN

L.O.A. 23', L.W.L. 17'11", beam 7'2", draft 3'3". Headroom 4'6". Mast 32'. Herreshoff design sloop. Hull and deck, one piece molded fiberglass construction. Vinyl rubstreak with mahogany toe rail. Fiberglass self-bailing cockpit. Outboard or inboard auxiliary engine available for auxiliary power. Has head, two water tanks, sink, pump, ice box, 2 berths with mattresses, bilge pump, lockers, lazaret, bookshelves, anchor, stove, and lights.

CHEVERTON BOATS
BOX 187, WALL ST. STATION,
NEW YORK 5, N. Y.

THE CARAVEL

22.1'x7.5'x3' family sloop designed and built in England. 4,750 lb. displacement, 1,400 lb. iron keel, 228 sq. ft. Dacron sails, 4 BHP Stuart Turner marine engine. African mahogany stem, hog, transom, planking, coamings, frames; oak timbers; pine shelves, deck and beams; copper and brass fastenings; Italian hemp running gear; stainless steel rigging; foam rubber cushions; brass cylinder bilge pump; stove, anchor, fresh water tank, light, 3 built-in berths, cabin with galley, ice box, self-bailing cockpit, storage space; non-skid deck and cabin top. Navigation lights, etc., available. Cruising speed about 6 knots. Price, approx. $5,000. Further information on request.

CROSBY AEROMARINE
GRABILL, IND.

INLAND CAT

14'6" cat boat with 64" beam, fiberglass hull, built-in flotation, 22' aluminum mast, boom, 120 sq. ft. of sail area, plus hardware. Price $1,295.

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- Transistorized . . . low battery drain . . . 12 volt DC operation . . .
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Compact . . . less than one-half cubic foot! Both radio and the special loaded antenna are arranged for quick, convenient mounting . . . can be simply removed from the boat for storage.

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"Packaged" . . . complete, ready for use. Includes antenna, crystals for 2 channels, press-to-talk microphone, built-in speaker, quick action mounting bracket. **249.50**

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SEA SCAMP, 2-band receiver provides marine band and standard broadcast reception for outboards. Operates on 12 volts DC, features high sensitivity . . . low current drain . . . avoids need for costly dry batteries. Excellent for use in club cruises where lead and trailing boats have AE-17 2-way radios and other boats have SEA SCAMP receivers to tune in for instructions, etc.

APPLIED ELECTRONICS CO., INC.
SOUTH SAN FRANCISCO, CALIFORNIA

DOUGLASS & McLEOD
BOX 311, PAINESVILLE, O.

THISTLE

This famous class racing sloop is 17'x6'x4'6" with centerboard down. Has 175 sq. ft. sail area. Hull is mahogany moulded plywood, with spruce mast and boom. Available in kit form in several stages of completion. Price, complete boat less sails, $1,650. Available accessories: sails, $240, and spinnaker, $90.

HIGHLANDER

Sloop 20'x6'8"x4'10" centerboard down. Has 225 sq. ft. sail area. The hull is mahogany moulded plywood, with spruce mast and boom. The model is available in kit form in several stages of completion. Price, complete boat less sails, $2,275. Available accessories: sails, $285, and spinnaker, $100.

EAST COAST BOATS
BOX 117, OYSTER BAY, N. Y.

MOBJACK

17'x16'9"x6'6"x4'0" (c. b. down), fiberglass sloop, planing hull, weight 375 lbs. Aluminum spars, stainless steel rigging. Hollow fiberglass centerboard and rudder assembly. Entire boat is self-bailing. Air chamber and styrofoam flotation provide buoyancy awash. Hull will carry outboard power up to 40 HP. Price, less sails, $1,595; with Dacron and nylon sails, $1,940.

P. EVANSON BOAT CO.
4110 FREELAND AVE., PHILA. 28, PA.

SAILING DINGHY

10'7½"x4'3"x5" sailboat with sail area 68 sq. ft., weight 95 lbs. Can be used with outboard or for rowing. Rigged for jib or cat in kit or completed form. Features flip up rudder, Sitka spruce spars, stainless steel rigging and racing hardware. ½" mahogany marine plywood planking. Seats four when used as outboard or rowboat. Price, complete kit, $370; completed boat less sails, $470; dacron sails, $80.

ENTERPRISE

13'3"x5'3"x7" dinghy, sail area 113 sq. ft., weight (fully rigged) 250 lbs. Accommodates two adults and two children. Hull is 5/16" marine mahogany planking. Other construction materials similar to "Sailing Dinghy." Roller reefed. Can be car-topped, rowed, used with outboards. Price, complete kit, $420; completed boat less sails, $730; dacron sails, $100. Also available: "Blue Jay," 13'6"x5'2" centerboard day sailer, marconi rigged; complete boat less sails, $625; dacron sails, $115. "Moth Mark VII," 11'x4'7"x4", construction similar to "Sailing Dinghy," complete kit, $355; completed boat less sails, $450; dacron sail, $79. "Penguin," 11'5"x4'8" centerboard cat rigged dinghy with 72 sq. ft. sail area; unpainted hull and rigging parts, $375; complete boat less sails, $425; dacron sail, $75.

CELEBRITY

Class sailboat. 19'9"x15'9"x6'4"x 39" (3" board up), also available, "Celebrity-K" keel sloop with 29" draft. Sail area 172 sq. ft. Sail material: Egyptian cotton. Hull: strip planked mahogany, edge fastened with naval brass, planks 19/32"x 24/32". Marconi-rigged, masts are hollow Swedish spruce with sail track. Boom is slotted with self-locking roller reefing gooseneck. Storage space under fore and aft decks. 4 lockers in cockpit. Detachable canvas spraysheld that acts as cuddy. Top of centerboard cannot be lowered below the keelson, and centerboard is guided back into the trunk in case of going around or striking an under water object. Removable, easily stored seats in the cockpit allow the cockpit to be used for sleeping. Price, $1,750.00 both C.B. and Keel models including sails, sailcover, sailbag, stainless steel standing rigging, stainless steel main halyard with spliced manila tail, canvas spraysheld with copper frames, all chrome-plated or bronze fittings, roller reefing gear, woven cotton main and jib sheets, whisker pole, outboard bracket, boom crutch, mooring lines, fenders, wind pennant, marine plywood floors with moulding, side lockers.

FALLS CITY FIBERGLASS
3284 TAYLOR BLVD., LOUISVILLE, KY.

Y-FLYER

18'x5'8"x6" (board down, draft 4') Y-Flyer centerboard sloop is low skimmer of all-fiberglass construction. Marconi rigged, it carries 161 sq. ft. of sail. Rotating streamlined mast is of extruded aluminum, and centerboard is steel plate, weight 60-75 lbs. Price, $1,450; hull only, $800.

MANANA

29'x6'6"x3'11" sloop has sail area of 308 working, 410 racing. Hull, rudder, deck, toe rail, floors, bulkhead and seats are molded fiberglass. Stock boat has clotheslocker, buffet, 2 seats and sail locker. Storage space is under seats and floor, and there is additional room for at least 2 berths. No living accommodations are provided in cabin. Hollow mast is aluminum and equipped with roller reefing gear and wire halyards. Boat is offered in 10 stages of completion. Price, complete: $5,800.

FLYING DUTCHMAN, JR.
P. O. BOX 61, OYSTER BAY, N. Y.

FLYING DUTCHMAN JR.

13'2" planing sailboat; 4'11" beam; 2'10" draft, centerboard down. Sail area with working jib, 100 sq. ft. Ribless plywood or fiberglass construction. Will attain speeds to 20 mph when planing. Cockpit provides racing quarters for two men, or cruising quarters for five or six. Mast and boom are silver spruce; thwart, rudder, centerboard and tiller are mahogany. Price, $997, includes cotton sails. Optional extras are dacron mainsail and jib, pivoting rudder insead of fixed; vinyl and aluminum rubrail, nylon spinnaker with pole and fittings.

GRAHAM PRAMS
8365 LEONA ST., FORESTVILLE, WASH. 28, D. C.

OPTIMIST

7'3" marine plywood pram available in three types: unpainted less sail, $66; painted less sail, $78; complete with sail, $108.

TAURUS

9½" flat bottom sailboat of marine plywood complete with sail, $195.

RAY GREENE & CO.
TOLEDO, OHIO

REBEL

16'x6'6". Sail area, 166 sq. ft. All fiberglass construction with aluminum spars. Ample stability for youngsters.

NEW HORIZONS

25-foot fiberglass sloop. Beam, 7'9"; draft, 3'; sail area, 324 sq. ft. Sparkman & Stephens design. Combination keel-centerboard gives shallow draft. Sleeps 4 on foam rubber mattresses. Complete head, galley, ample storage space. Power optional, inboard or outboard.

GRUMMAN BOATS, INC.
MARATHON, N. Y.

ALL-PURPOSE DINGHY

8½' Dinghy designed by Phil Rhodes weighs 78 lbs. Serves as a one-design sailboat, as a yacht tender, or as general utility craft. Handles motors up to 3 HP. Supplied either as a rowing or sailing Dinghy. For a small additional cost the sailing rig can be enlarged to a "G" class rig, carrying 50 sq. ft. of sail area.

SAILING GRUMMAN

All Grumman 13 to 20 ft.

canoes and the 15′ sport boat can be adapted to sailing. The Grumman Dinghy (Rhodes Design) has a 44 sq. ft. lug sail rig and the new "G" class rig has 50 sq. ft. of sail area. The smaller canoes handle the 45 sq. ft. lateen sail rigs, while the 17′ and larger canoes handle the 65 sq. ft. reefable gunter sail rig.

GUNDERSON
CATAMARAN CO.
BELMAR, N. J.

GUNDERDINK
The 10′4″ 98 lb. car-top GunderDink is made of marine mahogany plywood, oak keels, mahogany transom and gunwales. This craft holds four adults or six children comfortably and can be sailed, rowed or used with a small outboard. The GunderDink sells completely assembled, with 35 sq. ft. nylon sail, but unvarnished, for $295.00.

GUNDERPRAM 8
8′ pram with 50″ beam and 42 sq. ft. nylon sail, cat rigged, white fir or spruce mast, stainless rigging, mahogany plywood construction, oak chines, gunwales, and keel. In kit form for home construction, priced from $59 (hull only). Also available: **Gunderpram** 12 with 12′ length, 62 sq. ft. sail, sloop rig. Hull kits from $89.

R. HAMANN & SONS
P. O. BOX 63, BLOOMFIELD, N. J.

SAILING PRAM
8′x52″ pram of mahogany, oak and mahogany plywood construction. Brass fastened. Complete with dacron sail, spruce spars painted and varnished. Price: with sprit rigged sail, $155.50; with Marconi rigged sail, $208.85.

HAMPDEN
WOOD PRODUCTS, INC.
155 RIVER ST.,
WEST SPRINGFIELD, MASS.

SEA-PUP
8′ and 10′ Vee sailboats, with respective beams of 48″ and 57″, and depths of 16½″ and 19″.

HANDS SHIPBUILDING CO.
7207 E. McNICHOLS,
DETROIT 12, MICH

CAPTAIN'S GIG
8′ pram has 46″ beam and hull of laminated fiberglass impregnated with plastic resin. Features include mahogany seats and trim, and styrofoam blocks under seats for flotation. Weight, 65 lbs. Price, $195. Also available as sailboat with dacron sail, aluminum mast, boom, rudder and all fittings. Price: $319.

HODGDON BROS.
EAST BOOTHBAY, ME.

HODGDON 21′ SLOOP
21′x18′4″x3′5″ draft keel sloop, equipped with dacron mainsail and jib, Genoa, and Dynalite spinnaker. Constructed of white cedar on oak; sawn, laminated mahogany transom, and an aqua-dynamic, 1000 lb. lead keel. Spars are hollow aluminum; rigging is all stainless steel. Accommodates four to six as a day sailer. Said to be fast and able; designed to be offered on a national basis as a class boat.

HOLIDAY YACHTS, INC.
CENTERPORT, N. Y.

14′ HOLIDAY "SCAT"
14′x5′1″x3′ (board down) fiberglass sailboat featuring mast foot track for easy conversion from sloop to cat rig. Flotation, flat bottom aft, flaired bow, mahogany plywood trunk molded into hull. Aluminum mast and rudder. Weight 286 lb., 120 sq. ft. sail area. Sails dacron or cotton. Price less sails, $899.

JUNIOR HOLIDAY
24′x7′6″x3′7″ cruiser-racing sloop. Weight 3,300 lbs. Planked, round bilge construction, otherwise similar to Holiday Sailer. Has 8 gal. water tank, icebox, 6 HP marine engine installed with reverse gear; cooling and ventilating system. Price, $5,190; with centerboard, $5,565. Dacron sails, starter and generator, self-bailing cockpit optional.

HOLIDAY SAILOR
24′1″ L.O.A., 18′6″ L.W.L., 7′7″ beam, draft: with fin keel, 3′7″; 2′3″ with centerboard up, 5′0″ with centerboard down. Cast iron ballast; oak keel, stem, sternpost, floors, knees, frames; African mahogany transom, cabin, cockpit; ½″ 5-ply marine plywood hull and deck; hollow spruce mast and boom; cotton sails; stainless steel rigging. Has settee berths with foam rubber mattresses; toilet; lockers; 4′3″ cabin headroom. Supplied with horn, lines, anchor, canvas winter cover, sheets, blocks, bilge pump and other extras. Price, $3,390; with centerboard, $3,765. Option equipment includes dacron sails, self-bailing cockpit, 6 HP engine, starter and generator, running lights.

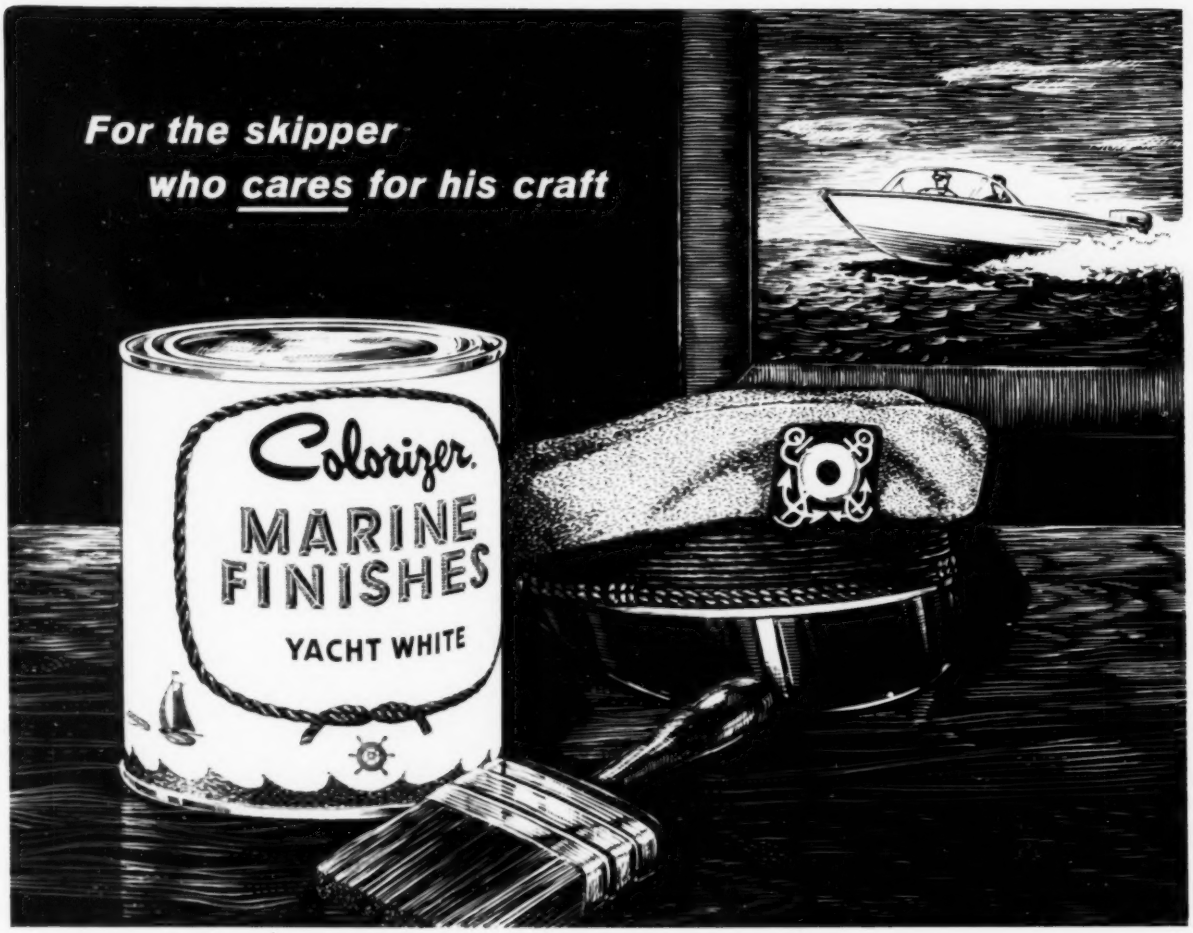
28′ VICTOR
28′x7′10″x3′9″ cruising - racing sloop. Total weight 4,300 lbs. Mainsail area, 198 sq. ft. Oak keel, stem, sternpost, floors, knees, frames; 5 ply marine plywood deck, cabin sides, top hatch; African mahogany hull planking, cabin interior and seats, transom. Waterproof forward hatch. Spruce mast and boom. Stainless steel rigging. Cotton sails. Toilet, galley, 12-gal. water tank, icebox, 4′9″ headroom, settee berths with foam mattresses, lights, lines, horn, bilge pump, anchor, 6 HP engine installed (22 HP engine also available). Price less sails, $5,590; price with 6 HP engine and working sails, $6,190; price with 22 HP engine and working sails, $7,245. Optional equipment includes starter-generator, $230; centerboard, $415; lights, $90; dacron sails instead of cotton, $237; self-bailing cockpit, $250; fiberglassed hull, $565.

30′ HOLIDAY
30′2″x8′5″x4′3″ cruising sloop. Total weight 6,840 lbs. Mainsail area, 243 sq. ft. Construction and equipment similar to "Victor" except has 16-gal. water tank, 6′2″ cabin headroom, molded cabin tops, fire extinguisher, life preservers. Price, $9,490; centerboard $450 additional. 22 HP motor installed. Optional equipment includes covers, $85, fiberglassed hull, $650, dacron sails instead of cotton $385.

HOLIDAY 32
32′x10′, cruising houseboat of 12 gauge welded steel construction, 36″ freeboard, and spoonbill reinforced bow for decreased resistance when underway. Cabin has aluminum exterior with mahogany interior paneling and 6′4″ headroom. Windows and doors are aluminum, screened and watertight. Features galley with two burner stove, formica counter top, dinette, ample storage space. Marine head, large closets, private sleeping accommodations for six. For inboard or outboard power.

JUDSON MFG. CO.
7339 S.E. 35 AVE., PORTLAND 2, ORE.

MODEL A-10
All fiberglass cat model, 6′4″x



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Colorizer

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Where to Buy: Contact your nearest marine dealer or the Colorizer paint firm in your area selling one of these paint brands: BENNETT'S • BROOKLYN PAINT & VARNISH CO. • BLUE RIBBON • BOYSEN • BUTE • GREAT WESTERN • JEWEL • KOMAC • LION BRAND • VANE-CALVERT • WARREN'S • WETHERILL'S • *In Canada:* FLO-GLAZE • *In England:* ROBBIALAC

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Colorizer Associates
347 North Western Ave., Chicago 12, Illinois

Please send me a Colorizer Marine Finishes Color Chart and how-to-do-it information.

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Street Address _____

City _____ State _____

39"x12"; hull weight 46 lbs. With weatherproofed mahogany mast, Dacron sail, solid oak tiller, marine plywood rudder deck bumper. Capacity 400 lbs. Also available as dinghy (Model A-20), weight 38 lbs., handles 2-3 HP outboard.

MOUNT DESERT
YACHT YARD, INC.
MOUNT DESERT, ME.

CONTROVERSY 28

28'5"x8'6"x3'2". Auxiliary sloop with accommodations for six. Glued-strip construction. Power choice of Universal Atomic Four with V-drive, or 10-15 HP outboard in well under after deck. Hull only available at $4,490. Completed boat imported F.A.S. East Coast, about $11,900.

HARA

28'x7'7"x4'9". Similar to Controversy models, but designed specifically for a trans-Atlantic passage. Hull of glued-strip construction. Accommodations for 4. Price, about $12,000.

C/32 MOTOR SAILER

31'3"x9'9"x3'7". Shoal draft motor sailer designed for lakes, rivers and southern waters. Large cockpit, accommodations for 6, canvas-topped deckhouse. Cruising speed under power, 10 knots.

CONTROVERSY 36

37'2"x10'1"x5'4". Auxiliary sloop. Glued-strip hull construction. Reverse sheer lines. Accommodations can be varied to sleep 7 or 8. Three cockpits are a unique feature. Priced about $20,000. Also available, Controversy 30 and Controversy 26 models, 31'2" and 25'11" overall length, respectively. Latter is available in reverse sheer or conventional raised-deck models. Custom built to order. Prices: Controversy 30, about $13,000; Controversy 26, about $8,000.

NATIONAL ONE DESIGN
1130 SAXE AVE.
CUYAHOGA FALLS, O.

NATIONAL ONE-DESIGN

17'x5'8"x4' fiberglass sloop available in various stages of construction, and is offered complete with aluminum mast, stainless steel rigging and Race-Lite fittings. Frame "kit" is of white cedar and sitka spruce, and contains all preassembled frames, transom, keel and keelson, chines, stem, cheeks and knee, centerboard trunk. Boat is offered by Ray

Greene and Co., 502 S. Byrne Rd., Toledo 9, O. Price, complete: $1,250, less sails. Frame kit is offered by Peter A. Geis, Severna Park, Md. Price: $85. Complete plans and instruction book available from Capt. H. E. Saunders, 7606 Maple Ave., Takoma Park, Md. Price: $15.

NAUTICA CORP.
3453 OCEAN AVE., OCEANSIDE, N. Y.
AND P. O. BOX 76, PARAMUS, N. J.

MARAUDEUR

15' sloop, sleeps two. Constructed of molded mahogany plywood with stainless steel rigging and hollow spruce spars. A combination ballasted keel-centerboard (155 lbs.) provides stability and maximum inside space. 151 sq. ft. sail area. Total weight 460 lbs. Designed by Jean-Jacques Herbulot and built in Europe. Other larger and smaller models available: "505," "Corsaire," "Vaurien," "Flibustier."

NORWEGIAN MOULDED
SHAPES, INC.
ROCKPORT, ME.

NOMO 10

10' dinghy, Norwegian built. Supports two even when completely swamped. Moulded hull in mahogany. Ulmer nylon sails, bronze hardware. Price, $348. Rowing model, $175.

GEORGE O'DAY
9 NEWBURY ST., BOSTON, MASS.

JOLLY BOAT

18'x5'2"x4'8" centerboard boat with 235 lbs. hull weight, 26 lbs. mast. Complete boat less sails, $1,445. Prefabricated kit, $1,050. Sails, $90 and up. English made. Also available: 16'6"x6'3"x3'9" "International 505," complete less sails, $1,500, in kit form, $995; 12'x4'7" "Firefly," complete less sails, $785, in kit form, $565, sails, $100; 14'x5'6" "Mark VII," complete less sails, $1,375, no kit available. Three other sailboat models available from $445 complete less sails.

DAY SAILER

English designed and built 16'6" utility day sailer, of lightweight fiberglass construction. Cockpit holds 6 to 8, will sleep 2. Takes 5 to 20 HP outboard motor. Raised boom makes it possible to sit on deck without ducking for a jibe. Sail area, 145 sq. ft. Aluminum mast and boom. Price, complete boat less sails, $1,300; dacron sails $195 (approx.). Bare hull available, $475.

RACING SAIL

The "Gannet" is a 14'x5'6" fiberglass planing sailboat from the drawing board of Uffa Fox. Weight 300 lbs., sail area 125 sq. ft. Features 1000 lbs., self-righting flotation and built in roller-reefing gear. Anodized aluminum rotating mast and boom. Price, $975 less sails. Also available are: 24' "Raven," a racing day sailer for $2,850; "Flying Dutchman," a 19'10" racing boat with 190 sq. ft. of sail area for $1,587.50 less sails; and the "Finn," a fast planing sailboat, with rotating, unstayed mast which can be rigged in 60 seconds. The "Finn" has been chosen as an Olympic class. These boats are built by Fairey Marine, and are constructed of either fiberglass or "cold moulded" plywood. They feature high quality European workmanship, easy trailability and fast performance.

FAIREY MARINE

"Albacore," a 15' racing-family centerboard sailboat with ample bouyancy in her fiberglass impregnated moulded plywood hull. Carries 4 or 5 persons easily and handles well in light or heavy weather. Price, $935 less sails. "Duckling" is an all-around boat for sail, outboard or rowing. It will carry 4 or 5 persons also, and sells for $490 less sails. Other Class boats by this English company are the "Jolly Boat," "Firefly," "Cadet," "505," and the "International 14." All Fairey Marine boats feature low maintenance costs, expert workmanship, and good resale value. Many of these craft are available in semi-finished kit form for completion by the buyer.

ATALANTA

Advanced design is the feature of this 26'x24'x7'6"x1'3" racing-cruising boat. Draft with centerboards down, 5'9", sail area, 270 sq. ft., displacement, 1 ton. The vessel sleeps 6 persons in two cabins and includes a large 6'6" cockpit. There is space below the cockpit floor for an inboard engine, or an outboard can be installed through a transom well. Features a small lobby aft the forward cabin with an oilskin locker to port and ample stowage space for pots and pans in the galley. The boat despite its size can be easily towed behind an automobile. It is manufactured by Fairey Marine Ltd., of England and stresses sea-going and sail-carrying ability. Price less sails and motor, $6,475.

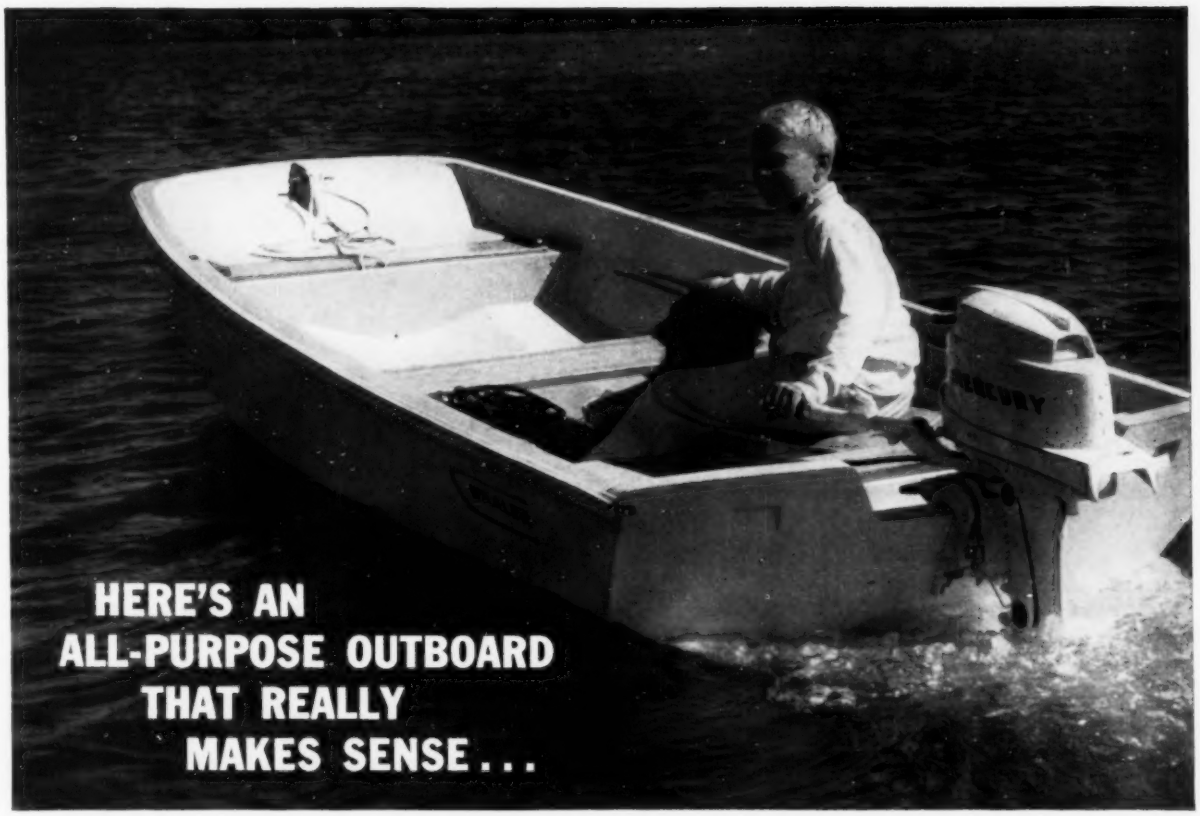
PEARSON CORP.
BRISTOL, R. I.

PLEBE

8' fiberglass sailing dinghy and tender. With fiberglass seats and reinforcements, $359; with mahogany seats and reinforcements, $395.

PEERLESS TRITON

28' auxiliary sailing cruiser designed by Carl A. Alberg and built of fiberglass. Available in yawl or sloop rig. Sleeping accommodations for 4 or 6. Enclosed head; stainless steel sink; fiberglass ice box; foam mattresses; all standard equipment necessary to boat. Pow-



THE New "BOSTON WHALER"

No need to worry when he's in a Boston Whaler — he's in the toughest, safest, most maneuverable boat in the 14 foot class. The Boston Whaler's unique foam-filled double fiberglas hull has tremendous buoyancy — enough to keep it afloat even when intentionally swamped with six standing adults aboard. And this buoyancy means *no* bailing, either; open the drain, the water runs *out* — even at the mooring! The unusual hull is so stable that two men can stand on one side rail. (Think of what all this will mean to the family if you're caught out in some rough weather.)

But besides the safety and stability, the Boston Whaler makes sense because it's a *useful* boat and it's *fun* to use. Small enough (250 lbs.) for easy trailering and large enough for use on big bodies of water — the Boston Whaler will get you home safely if you're caught in a sudden squall.

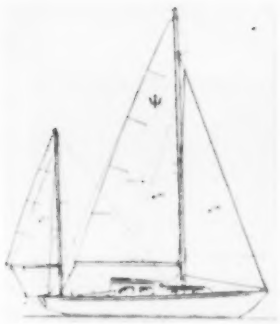
The versatility and *all-family* usefulness are sensible too. With motors up to 40 hp., the steering wheel model is ideal for skiing or racing around. The standard model with smaller motors is perfect for the youngsters or for fishing (you can move around easily while casting and it has a built-in well for fish, bait or cold storage). And the Boston Whaler's a cinch to keep clean because it has a high gloss finish *inside* as well as out, except for the molded non-skid floor (there's no "shredded wheat").

Before you buy any outboard boat, ask your dealer about the Boston Whaler — or send for free folder. If your dealer does not have the Boston Whaler send us his name. The Fisher-Pierce Co., Marine Div., 135 Pearl St., So. Braintree 85, Mass.

THE GOING'S ALWAYS GOOD IN A WHALER!

WE SAWED A BOSTON WHALER IN HALF TO PROVE ITS SAFETY

BOSTON WHALER



ered by a Universal Atomic 4 (25 HP) engine with direct drive, generator, reverse gear and starter. 12-volt system. Other boats of fiberglass in a variety of models from an 8-foot dinghy to a sport fisherman.

PIERCE CRAFTWOODS
5 S. COURT ST.,
MONTGOMERY, ALA.

SAILING SURFBOARD
9'10"x31½" boat with 62 sq. ft. sail area. Inverted "V" bottom replaces centerboard or keel. Painted in two-tone colors, with white decks and a non-skid area on the after part of the deck.

PLASTINETTE PROD. CORP.
P. O. BOX 9032 ALLANDALE STA.,
AUSTIN 17, TEXAS

DOLPHIN
12'3"x34½" sailboat of fiberglass construction. Will not swamp or sink. Can be used to ride surf or for paddling. Sail area 75 sq. ft., hull weight 65 lbs. Mahogany rudder and dagger board, Sitka spruce spars and mast, aluminum hand rails, available in variety of sail, deck, and hull colors. Price including all rigging and cotton sail, $399.50; nylon sail, $12 extra.

SCANDIA MARINE
JUNOPRODUKTER AB,
UDDEVALLA, SWEDEN

SKI-BREEZE
18'6"x6'x3'8" (board down) convertible sailer has molded fi-

berglass hull and decks, mahogany seats, flooring and rubstrake, aluminum mast, boom, rudders and centerboard, and teak stereo-tiller. Boat can convert from outboard runabout to racing sailboat without removing motor or controls. Features include self-draining motor well, dual rudders, two section mast, windshield and double bunk. Can be used with 18 to 35 HP motors. Price: $1,900, less sails.

W. D. SCHOCK
504 29 ST., NEWPORT BEACH, CAL.

NAPLES SABOT
Completely fiberglass model is approved by the Sabot Association. Length overall, 7'10", beam, 46", laminated wood mast 13'3", boom, 7'3½", sail area, 38 sq. ft., weight, 86 lbs. Boat has positive buoyancy tanks. Easily converted to outboard power or rowing.

LEHMAN INTER-CLUB 10
Length overall, 10'3", beam, 53", mast, 19'1", boom, 9'8", sail area, 67 sq. ft., weight, 105 lbs. This class is used extensively for inter-collegiate and inter-club racing. Fiberglass construction.

LIDO 14 SLOOP
All fiberglass day sailer with choice of molded-in colors. Length 14', beam 72". Hinged aluminum mast and boom; sail area 111 sq. ft.; weight, 300 lb. completely equipped. Integral fore-and-aft seats provide flotation chambers, swinging centerboard locks in any position.

S-22 JR. OCEAN RACER
22' sloop, completely portable, easily launched. All fiberglass construction with color impregnated. 2-foot draft, weight, 1700 lbs. Hinged mast can be raised by two persons with aid of one of the jib sheet winches. Sail area, 260 sq. ft. Takes 3.5 to 7.5 HP outboard motor. Features forepeak and chain locker, head, forward ventilating hatch, two full size bunks, two quarter-berths, complete galley.

SIDDONS-SINDLE
LITTLE FALLS, N. J.

JET 14
14'x4'8"x6' sailboat has round-

bilged hull all-mahogany of International One-Design. Spars are sitka spruce. Boat weighs slightly over 150 lbs., and is available complete and in various stages of completion. Prices: bar shell as it comes from the mold, $260; complete hull decked, $510; complete boat unfinished $650, and complete boat less sails, $795.

FLYING DUTCHMAN
19'10"x5'7"x3'8" sloop has fiberglass reinforced plastic hull and deck, with inboard edges of deck curved down into floor to provide 2 watertight buoyancy tanks. Centerboard and rudder are mahogany, and all hardware polished stainless steel and molded phenolic plastic. Price, $1,750, without sails. Special trailer is also available, $175.

SILHOUETTE
150 SPRING ST., NEW YORK 12, N. Y.

MARK II SILHOUETTE
17'8"x6'7"x2'8" cruising sloop; sleeps 2; accommodates 4 in cockpit; toilet; mast stepped in steel tabernacle; roller reefing gear; Vee bottom hull; fin keel weighing 400 lbs. Sail area 120 sq. ft., including main and working jib of Egyptian cotton with battens, jib hanks and sailbag. Materials used in construction include mahogany marine plywood, prime mahogany, white oak, bronze, stainless steel, copper nails and International Marine Paints. Price, $1,987.

SMALLCRAFT
LAKE WALES, FLA.

MELODY 32
32' Trunk Cabin model with 5'2" headroom, painted harborite hull, fiberglass decks and cabin, self-bailing cockpit, stainless sink, cabinet, stove, sliding bunk boards, dacron sails, numerous hatches, 9-gallon fiberglass water tank with manual pump to sink, toilet, double bunk in fore cabin, nylon anchor line, etc. Accessories and sub assemblies available. Price, $7,880; for fiberglass hull add $525.

SU-MARK, INC.
WALPOLE, MASS.

FEATHER
Cat rigged dinghy. Complete with mast, sail track, built-in daggerboard and well, and flotation tanks that serve as side seats, leaving the center clear. Fitted for oars. Priced from $294.50.

TRANSMAR, INC.
161 E. ERIE ST., CHICAGO 11, ILL.

CRUISING KETCH
39'x29'6"x12'6" cruising ketch built in the Far East. Sleeps 6 and is equipped with auxiliary engine, dacron sails, stainless rigging, stove, icebox, foam rubber mattresses, tender. Construction includes teak decks, native hardwood stem, cypress planking and ceiling, bronze turnbuckles, stainless fuel tanks and fiberglassed fresh water tanks. Price: $27,000 completely equipped, at port of entry (New York, San Francisco or New Orleans).

A. R. TRUE, INC.
10 MORRILL ST., AMESBURY, MASS.

LIGHTNING
19'x6' one design centerboard sloop. Sail area 177½ sq. ft. Cedar planking on cedar or mahogany timbers. Hollow Sitka spruce mast, stainless steel rigging.

ROCKET
23'x7' centerboard sloop, sail area 260 sq. ft., 4'2" headroom in cabin which sleeps 2 or 4 and is equipped with galley and head. New England white pine or cedar roundbottom hull, bronze screw fastened. Hollow Sitka spruce mast, stainless steel rigging. 16 HP Palmer Engine.

GEORGE B. WALTON
P. O. BOX 1528, ANNAPOLIS, MD.

KING'S CRUISER
28'4"x7'4"x3'11" accommodates

METER TEST★ SHOWS HOW YOUR BOAT CAN HAVE

EXTRA BEAUTY ALL SEASON LONG

★ Pictured above:

Chuck Ulman, partner in Newport Harbor's efficient "Service Afloat" and Andrew Brown Company's Jack Lockwood, toss generalities aside and check Legend's topsides with a Photovolt Gloss Meter. Before the Honolulu Race, Chuck brought Legend in 1st, class A, in the 1957 Acapulco classic.

Chuck Ulman's famous Legend, Over-All winner 1958 Honolulu Race, looks sparkling, clean and white after 18 months of relentless exposure to sun, salt water and the 6000 mile round trip to Hawaii. And no wonder. Gloss meter tests prove the Z-Spar topside enamel has retained over 88% of its original high gloss. It actually reads higher than nearby boats painted with competitive enamels less than six months ago. Give your boat this top beauty and protection; specify Brolite Z-Spar Supreme Marine Enamels.

Brolite

Z★SPAR

SUPREME MARINE FINISHES

ANDREW BROWN COMPANY

FACTORIES P.O. Box 22066, Los Angeles 22, Calif
P.O. Box 246, Irving, Tex. • P.O. Box 229, Laurel, Md
FACTORY WAREHOUSE:
1223 E. Pike St., Seattle 22, Washington

HENRY LUHRS SEA SKIFFS

23′ Shelter Model, $3565. Includes 109 h.p. Gray, toilet, anchor and lines, electric bilge pump, fire extinguisher. Also available in open windshield model, $3220.

27′ Flying Bridge, $5950. Includes 125 h.p. Chrysler, bunks and cushions, toilet, fish well, anchor and lines. Also available in shelter cabin model, $5350.

31′ Offshore, $9995. Includes flying bridge, twin 95 h.p. Chryslers, full head and galley, fish well, electric bilge pump, anchor and lines, bell, upholstered pilot seat.

Franchised dealers

CHAPMAN'S ► MANASQUAN, NEW JERSEY
BUCKLEY'S ► FREEPORT, LONG ISLAND
CAPT. O'CONNELL ► FALL RIVER, MASS.
REX MARINE ► SOUTH NORWALK, CONN.
WATTS & DEGAMO ► BABYLON, NEW YORK
DALTON MARINE ► DANIA, FLORIDA

Dealer inquiries invited

HENRY LUHRS SEA SKIFFS INC.

Morgan, New Jersey PArkway 1-1083

four. Aux. sloop equipped with Volvo Penta gasoline engine, 300 sq. ft. dacron sails, stainless steel rigging throughout, stainless steel galley, toilet. Round bilge design constructed of African mahogany planking on white oak framing. Self-bailing cockpit. Price including sails (Volvo diesel engine optional), $7,000. Imported from Sweden.

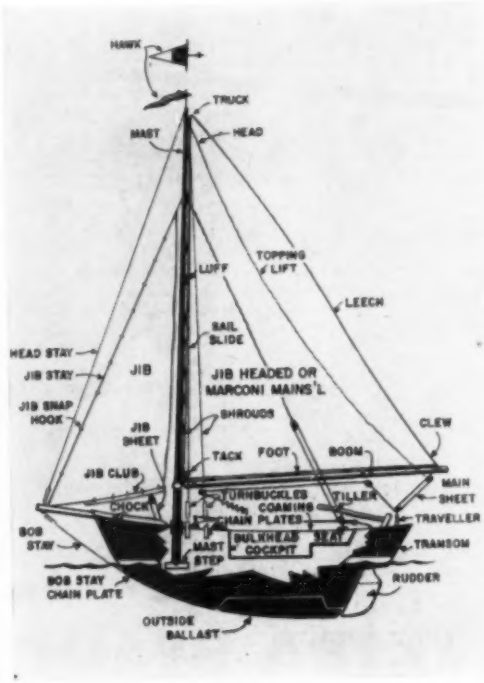
NORDIC

25′2″x7′2″x3′11″ cruising auxiliary. Sail area 262 sq. ft. Sleeps four. Features Penta gasoline engine, toilet, galley sink and pump, water tank, icebox, bilge pump, lights, hardware, forward hatch. African mahogany planking on lapstrake with Marine plywood decking, pine mast, oak rudder, stainless steel rigging, foam rubber mattresses in bunks. 6-7 mph speed under power. Imported from Sweden. Price, $4,950.

JOHN WRIGHT, JR.
308 W. QUEEN LANE,
PHILADELPHIA, PENNA.

BLUE JAY

Racing sloop available as finished boat, less sails, or as kit. Price, $850 for complete boat, $420 for kit. Other class boats available include: Penguin dinghy, complete $458, kit $285; Jet 14, complete $795, kit $430; Moth, complete $565; Enterprise, complete with sails $765, kit $460; Cadet, complete with sails $495, kit $280; and G.P. 14 complete with sails $775, kit $477.



SAILBOAT NOMENCLATURE

THIS composite-type sailboat illustrates names of major parts and common equipment aboard. Knowledge of numerous nautical terms is part of the enjoyment of the sport, helps identify equipment, and makes ready reference easier. The best and fastest way to learn sailboat nomenclature is by using the equipment. Whether you're an expert or beginner, when you get on a boat that's new to you, examine everything that can be moved, and inspect every line that can be pulled. When you have checked out all the rigging, you will have taken the first step in learning to handle your new boat for the first time.

SPECIALTY CRAFT

NO BOAT is best for every use. Each size and type has particular speed, performance, price, stability, and accommodation characteristics which make it most suitable for the activities for which it was designed. The boat buyer who asks himself honestly how he will use the boat, and how much he can afford to spend, will frequently choose one of the craft shown here. Dealers report that many experienced boatmen are becoming three- and four-boat-owners, buying craft such as these for their special needs. The racing man who wants to live in a houseboat, the cruising man who wants a canoe for hunting, the family skipper who finds he can afford a larger boat by building it from a kit, the lake cottage owner who finds he can keep his children and their friends safely occupied with a novelty boat—each of these shoppers will find boats on the following pages designed to answer their requirements.

Where Will the Boat Be Used

Most craft in this section should not be bought for rough open-water use. Large kit boats can be constructed by the careful amateur to weather safely moderate seas, but the majority of rowboats, canoes, houseboats, and novelty craft should be considered only for sheltered waterways. Much of the special fun of boating—the adventure of exploring back bays, poking into shallow inlets, gunkholing along a remote shoreline—requires shoal draft boats such as these.

When—and How Often

This year's new small boats are lighter and stronger than ever before. Canvas, plastic, and aluminum canoes should be removed from the water when not in use, as always, but modern manufacturing methods are making them much more durable. Choose the model which local experience shows is best suited for your waters, and keep light weight in mind if you will frequently lift it on and off your car top or carry it long distances. Small prams and dinghys are popular for children, and should be sturdy enough to take rough handling, light enough for youngsters to get in and out of the water, designed with hull lines which will resist easy tipping and enough freeboard to keep small waves from swamping the boat. The tender for your larger boat can be converted for day sailing and is a wise and popular selection. Pick a model with built-in centerboard or available leeboards to clamp on the sides. Then pull into harbor in your power boat with sailing pram in tow, step its small mast, install daggerboard and rudder and hoist sail and you are ready for a quick switch from power to sail—practically having your cake and eating it.

How Many Aboard

Many a yachtsman will carefully keep all safety equipment aboard his larger boat but clamp an outboard on his dinghy and run it dangerously overloaded with no life preservers along. A very realistic estimate of the total number of passengers you may carry is very important when you choose a small craft. Seaworthy and stiff characteristics can be more important here than in a larger cruiser with many more passengers aboard in rougher seas. Use particular care with novelty models which children might clown in too far offshore. Of the craft in this section, only the houseboats have relatively non-critical passenger capacity.

Houseboats

Within recent years, houseboats have seen a new rise in popularity. Couples who wish to retire afloat, families with many children, sportsmen who have found they can anchor and live in their hunting blinds—all these have felt the lure of the house afloat. Companies which make these craft can frequently tell you where you may go to rent one for an actual test of living aboard. If this is not practical, consult with boatmen who have experienced it. Large houseboats can offer more living space than any other boats of their size, but require calm, sheltered waters. Maneuvering one with a strong crosswind can be next to impossible, but when used on inland lakes, rivers, and streams, the craft can provide luxurious living. Both outboard and inboard power is suitable for the type; outboard may be more convenient in very shoal areas, while inboard is likely to afford fuel economy for similar horsepower. When water conditions justify, and you are satisfied to forego long cruises, you may find in a houseboat the way for a whole family to vacation afloat.

Novelties

The boat that is more a toy than a seagoing craft will need several basic accessories. The small ski-type belt life preservers are recommended for children who may be pedalling out or running one with a small outboard. Adult supervision is recommended, and a small anchor which the child could drop if he starts drifting offshore is also advisable. These craft can help a child grow accustomed to the water, but should only be used after he can swim.

CHECK LIST FOR THE SPECIALTY CRAFT BUYER

- ☐ **Is this boat suitable for your local waters?**
- ☐ **Is it a "stunt" boat that may be enjoyable once or twice but one of which you may tire quickly?**
- ☐ **Is it similar to craft you have already sailed so that you (and your family) will feel comfortable about your ability to handle her?**
- ☐ **Does the builder have a well established reputation?**
- ☐ **Can the dealer refer you to other satisfied owners?**

HULL

- ☐ **Have hulls of this type proved stable and seakindly in your local waters?**
- ☐ **Have the materials (wood, metal, or plastic) stood up well in your area?**
- ☐ **Is it easy to repair and maintain?**
- ☐ **Will the boat have good resale value?**

POWER

- ☐ **Has provision been made for equipping the craft with outboard or inboard power if so desired?**
- ☐ **Is there room to store adequate gas for a trip?**
- ☐ **Will full power make her difficult for youngsters to handle?**

ACCOMMODATIONS

- ☐ **Can passengers use craft for its special purpose and still be comfortable aboard?**
- ☐ **Is there provision for shelter during inclement weather?**
- ☐ **Is there room for all required and recommended safety equipment aboard, and can it be stowed so it will not be lost overboard?**
- ☐ **Is your choice "fully found", or will a great many additional items of equipment be required?**

KIT

BAY CITY BOATS
33 FIRST ST., BAY CITY, MICH.

MYSTIC

22′ sloop designed for easy construction by the builder. In solid iron keel or centerboard models; has good interior accommodations with berths for 4.

BAY CITY KITS

Feature pre-assembled frame, pre-cut planking, decking, exterior and interior finish materials, fittings, engines. Frames of northern white oak; fastening holes pre-bored. Factory will plank the hulls at option. Models: 17′ outboard utility with 7′ beam, 3′ depth, sleeps 2; 17′ inboard utility or runabout with average power 95-130 HP; 20′ hull available with or without cabin that sleeps 2; Model 1622, a 22′x8′ cruiser that handles over 100-275 HP; 24′ hull available as utility with sleeping for 2 under forward deck, as sport fisherman with small cabin, or as "Bay Craft" family cruiser with cabin that sleeps four; 28′ hull with deluxe cabin arrangement — refrigerator, dinette, enclosed toilet, galley, sleeps 4. Larger hulls also available to which the home builder can add his own cabin design. 28-page catalog available at 25¢.

BERKELEY MODELS, INC.
25 HEMPSTEAD GARDENS DRIVE,
WEST HEMPSTEAD, N. Y.

SINBAD

7′10″x30″. Weighs 62 lbs. Maximum length of boom and mast, 8′. Hull built up from ¼″ plywood of water tight construction. Mahogany used for hand rails and rubbing strips. Mast and boom are of spruce. Cotton sail. Supplied as kit and ready built. Completed boat, painted, with sails, $169.50. The kit is separated into 2 sections: the hull section, complete with fastenings and adhesive (for those who want to use it as an aqua-plane or surfboard only). The Sail and Hardware kit (includes the boom, mast, rudder, sail and hardware), Combined price, $99.50.

BOAT KITS, INC.
1415 W. 92ND ST.,
BLOOMINGTON 20, MINN.

ESQUIRE

12′2″x62″, hull weight, 248 lbs. 4-passenger boat is suitable for motors up to 40 hp. Hull is of ⅜″ marine plywood and oak frames. Has two cockpits, two seats with full backs, rear deck and 67″ forward deck. Top speed, 40 mph at 40 hp. Price, $199.75, complete.

CORONADO

14′2″x64″, hull weight, 289 lbs. Seats 5, can be used with motors up to 60 hp. Hull is of ⅜″ marine plywood with oak frames. Boat has 2 cockpits, 2 seats with full backs, 29″ rear deck, 67″ forward deck; all mahogany. Top speed, 40 mph at 60 hp. Price, $238, complete.

BEL AIRE

16′x72″, hull weight, 350 lbs. For use with motors up to 60 hp; top speed is 36 mph at 60 hp. Boat loads 5 passengers, has hull material of ⅜″ marine plywood and oak frames; 2 cockpits, 2 seats with backs and rear deck. Price, $284.50, complete.

DEL-RAY CABIN CRUISER

18′4″x94″, sleeps 2, has one-piece molded fiberglas cabin and wrap-around windshield molded into cabin. Uses power to 80 hp; speed at 40 hp is 30 mph. Hull is of ⅜″ marine plywood planking, all oak frames, mahogany decking. Price, $694, complete.

DOLPHIN OFFSHORE MODEL

18′4″x94″. Recommended for use with motors ranging up to 80 hp. Speed is 30 mph at 40 hp. Suitable for family cruising or fishing parties, this boat has hull of ⅜″ marine plywood planking, all oak frames, choice of cadmium or brass fastenings, and mahogany decking. Price, $498, complete.

CULVER CRAFT
BOX 381, DOWNEY, CALIF.

SQUIRT

10′ outboard runabout, 52″ beam. Plans, instructions, full size patterns for frame pieces: $8.50. Complete frame kit (plus plans), $54. 30 other models available, described in 50¢ catalog.

Z-Z-ZIP

14′2″ high speed deluxe runabout can be used with motors from 3 to 25 HP, and features plywood planking over a mahogany rib construction. Plans, full-size patterns and frame-kits for this and many other models available.

SWISH

15′2″ outboard runabout is fin-tailed, with plywood planking over mahogany rib construction. Suitable for use with motors from 10 to 60 HP. Plans, full-size patterns and frame-kits available.

SEA KNIGHT

17′ outboard cruiser sleeps 2, has galley and toilet area. Features are plywood planking over mahogany rib construction. Can be used with single or twin motors to 60 HP. Plans, full-size patterns and frame-kits are available.

TWO PLUS

18′6″ outboard cruiser sleeps 2 adults and has canvas bunk for children. Cruiser, which can be used with single or twin installation, up to 60 HP, has plywood planking over mahogany rib construction. Plans, full-size patterns and frame-kits are available.

FEPCO MFG. CORP.
TISHOMINGO, OKLA.

WEEKENDER

12′ aluminum fishing boat. Predrilled, prefitted parts eliminate welding, caulking, steaming, jigs, screws. Capacity 4 persons. Price including diagrammed instructions, $99.50. Color calalog 10¢.

SKI-MATE

14′ aluminum runabout. Features sharp entry, non-trip chine, 60″ transom, 68″ beam. Takes 40 HP motors. Windshield, wheel, hardware, upholstery optional. Price, $238; factory assembled, $495.

GENERAL MARINE CO.
6 & OAK STS., ST. JOSEPH, MO.

SPEEDLINER KIT BOATS

Six models, 9′ to 14′, seating 2-4 people, priced from $98.50 to $169. Six models of racing hulls, 9′ to 14′; most construction of plywood. Priced from $195 to $455.

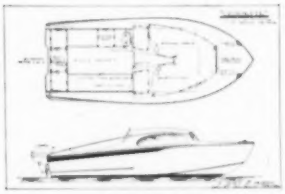
KB-17 CRUISER

17′x72″ with 67″ transom width. Cabin space for two bunks, toilet, galley, cockpit. Fir or Philippine Mahogany plywood. Takes outboard up to 60 HP; inboards up to 85 HP. Weight 600 lb. Price, including hull, cabin, and bunks in fir, $545.

GLEN L. MARINE
9152 E. ROSECRANS,
BELLFLOWER, CALIF.

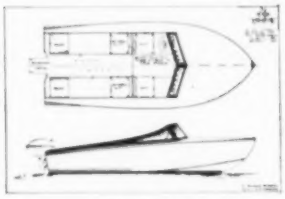
L. DORADO

13′x68″, hull weight, 260 lbs. For use with motors ranging to 40 HP. Price, $88, including transom, frames, transom knee, breasthook, stem, plans and instructions as well as full size patterns for carling and tail contour. Also available, plans, patterns and instructions, $16.25; fiberglass kit for bottom, sides and transom, $44.50, and fiberglass kit for bottom only, $27.



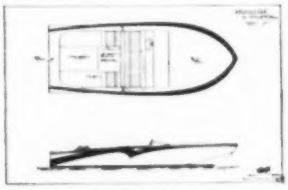
CRUISETTE

15′x72″, miniature cruiser recommended for motors ranging to 40 HP, at which top speed is 30 mph. Boat sleeps 2. Price, $92.50, including transom, frames, stem, breasthook, transom knee, plans and instructions. Also available, plans and instructions, $7.50; plans, patterns and instructions, $12.75; fiberglass kit for bottom only, $29.50 and fiberglass kit for bottom, sides and transom, $49.50.



NIMROD

15′x6′, hull weight, 425 lbs. This utility is recommended for use with motors to 40 HP. Features include bunks for 2 which fold into seats. Price, $87.50, including transom, stem, breasthook, transom knee, frames, plans and instructions. Also available, plans and instructions, $7.50; plans, patterns and instructions, $12.75; fiberglass kit for bottom, sides and transom, $49.50 and fiberglass kit for bottom only, $29.50.



DRAGSTER

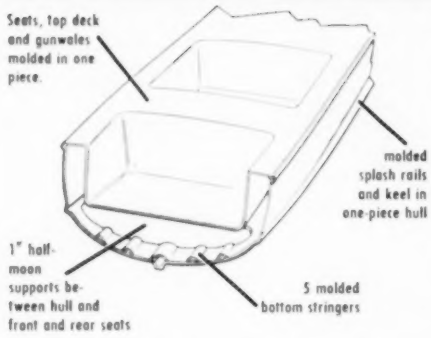
18′4″x7′1″. Boat will take large auto conversions and marine motors to 300 HP, with top speed of 70 plus mph. Carries 5. Price, $235, including frames, transom, stem, breasthook, plans and instructions. Also available: Plans and instructions, $15; plans, full size patterns and instructions, $24; fiberglass kit for bottom only, $39, and fiberglass kit for bottom, sides and transom, $80.

WHEE TWO

21′10″x8′x12″. Marine motors or

a new high in quality . . . a new high in PLEASURE for you . . .

NEW RUGGED CONSTRUCTION
SUPERIOR MODERN DESIGN



The quality of Speed Queen is the result of decades of boat-building experience. Your Speed Queen is built under the most rigid standards . . . and undergoes exhaustive tests for complete safety and durability!

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Materials and workmanship guaranteed for a lifetime to original purchaser.

a complete range of sizes—lengths of 14 ft., 15 ft., 16 ft., and 18 ft.

Every model is the majesty of motorboats . . . designed and engineered by world-famous William J. Horvath . . . the boat other designers have only *dreamed* about! Now YOU can enjoy the boat with dreadnought strength and "PT" boat maneuverability . . . all fiberglas *SPEED QUEEN!*

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Phone FUlton 8-3300, or write ART SOMES, Sales Mgr.

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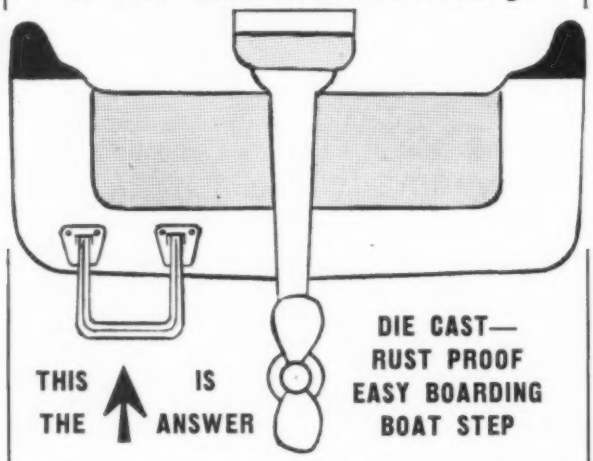

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RUST PROOF
EASY BOARDING
BOAT STEP

- Easy to attach to boat
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- Hinges at boat
- Easy boarding
- Always in position for instant use
- No bothersome ladder to contend with
- Water pressure raises step when speed is resumed
- Step hinges up against transom for storage when not in use

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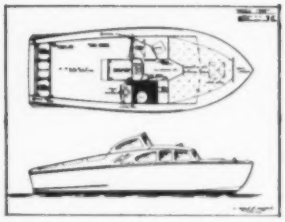
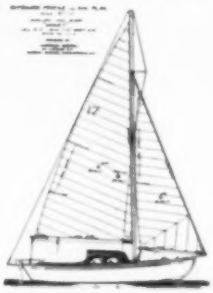
SAN ANGELO DIE CASTING & MFG. CO.
BOX 984P SAN ANGELO, TEXAS



auto conversions can power this boat, with horsepower ranging from 45 to 125. Top speed is 25 mph, cruising speed, 20 mph. Has fuel capacity of 40 gallons and approximate cruising range of 100 miles. Sleeps 2, has cooking facilities and head. Boat features Vee bottom, with plywood planking over sawn frames. Price, $240, includes frames, transom, stem, breasthook, plans and instructions. Also available: plans and instructions, $17.50; plans, patterns and instructions, $28.50; fiberglass kit for bottom, sides and transom, $104.50, and fiberglass kit for bottom only, $54.50.

HARRISON FARRELL
24 CARMAN ST.,
MASSAPEQUA, L. I., N. Y.



DUET

23'6"x18'4"x7'6"x2'3" board up, 4' board down. V bottom sloop of plywood on white oak, galvanized and "Everdur," fastenings. Available in various forms from bare plans to finished boat. Inboard or outboard power. Sail area 260 sq. ft. Displacement 3,500 lbs. Accommodations for 4, with full length berths, toilet and galley.

MINUET

19'6"x16'x7'x2'6", V bottom keel sloop of plywood on white oak, galvanized and "Everdur" fastenings. Available in various forms from bare plans to finished boat. Sail area 200 sq. ft. Outboard auxiliary power. Displacement 3,100 lbs. Accommodations for three with full length bunks, toilet, galley, and sitting headroom.

INDUSTRIAL SHIPPING
CO., LTD.
NOVA SCOTIA, CANADA

MAHONE SPORT KITS

Four models of outboard boat kits based on molded hulls of laminated birch veneer. Parts are completely prefabricated.

INDUSTRIES ASSOCIATED, INC.
16 KINGSFORD AVE., RIVERSIDE, R. I.

GANSETT 14

14-foot runabout is of plywood construction with fiberglass lamination on bottom. Large, enclosed forward compartment for stowage has watertight bulkhead. Boat is sold stripped bare, ready for prime coat. Suitable for motors 7.5 to 25 HP. Price, $499.

LUGER INDUSTRIES, INC.
9200 ACCESS RD.,
MINNEAPOLIS 20, MINN.

CADET

12'2½"x62"x25" runabout kit weighs 165 lbs., seats 4. Can be used with motors to 35 HP. Price, $133.

CITATION

14'3"x64"x30" runabout kit weighs 248 lbs., can be used with motors from 5 to 40 HP. Seats 6. Price, $189.50.

BISCAYNE

15'10"x70"x30" runabout kit weighs 350 lbs., can be used with motors up to 50 HP. Seats 6. Price, $229.50.

NASSAU

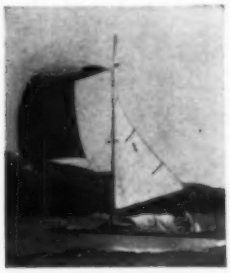
18'4"x93"x45" offshore cruiser kit weighs 600 lbs., can be used with either inboard or outboard motors to 80 HP. Price, $396.

VERA CRUZ

18'4"x93"x45" day cruiser weighs 650 lbs., including one-piece fiberglass cabin, complete cockpit and cabin flooring. Recommended for use with motors up to 80 HP. Price: $539. Many other models available in various sizes.

MFR., Luger Industries, Inc.,

MOUNT DESERT
YACHT YARD, INC.
MOUNT DESERT, ME.



AMPHIBI-ETTE

24'x7'9"x2'4". Weight, 3,000 lbs. Auxiliary sloop with cruising accommodations for four. Glued-strip planked to chines, plywood topsides. Will take outboard auxiliary power. Prices: basic kit, $1,495; semi-finished, $2,990; completed, $5,500. Also available: Amphibi-Con: 25'5"x7'9"x2'4".

Outboard auxiliary power sloop. Designed for easy trailering. Prices: basic kit, $1,795; semi-finished, $3,750; completed, $6,450.

SUPER-STRUCTURES, INC.
ALBERT LEA, MINN.

DUAL-CRAFT

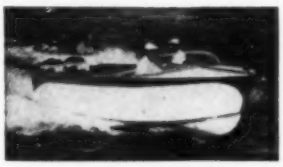
7½'x19' boat unit featuring precut and fabricated parts that allow assembly with wrench and screwdriver. For swimming, fishing, hunting, cruising, overnight use. Trailer, steering post and wheel, anchor, motor bracket, hardware are available. Can be converted from uncovered unit to screened-in or completely enclosed cabin in a few minutes. Cabin is 7'x10', interior height, 6'2". Has 24"x18"x19' pontoons made of double plywood bottom with waterproof Penacolite resorcinol adhesive. Can be powered with over 5½ HP.

TAFT MARINE WOODCRAFT
636 39TH AVE. N.E.,
MINNEAPOLIS 21, MINN.

MODEL 6000

16' runabout kit with ⅜" 5-ply sides and bottoms, girder construction, weight 335 lbs. Takes up to 75 HP motors, speeds over 45 mph. Lights, upholstery, covers, etc., available as accessories. Price, $220. 18' cruiser kit also available.

UNIVERSAL MOULDED PRODUCTS CORP.
1500 WALNUT ST.,
PHILADELPHIA 2, PA.



BOAT HULLS

Fiberglass hulls are molded to specification, from 10' to 50' in length. Autoclace Moulding System is used for durability, maximum strength, economy and high glass reinforcement content.

ROWBOATS & CANOES

ALLCOCK MFG. CO.
OSSINING, N. Y.

DINGHY

8'3"x45"x19" fiberglass dinghy carries 5. Has rounded bow. Can be used with light outboard motor. Price, $225.

BEALL BOAT SHOP
SEVERNA PARK, BOX 226, RT. 2, MD.

16' ROWBOAT

16'x58" model. Constructed of plywood. Outboard power up to 12 HP. 26" free board at bow, oak chines, oak gunwales, weighs approximately 200 lbs. Price $159.00 including oak lock sockets, bow bolt, 2 coats marine paint, varnished rails, ⅜" sides, ½" bottom.

14' ROWBOAT

14'x56" model constructed of plywood. Outboard motor up to 10 HP can be used. 26" freeboard at bow, oak chines, oak gunwales, bow bolt, 2 coats marine paint, varnished rails, weighs approximately 165 lbs. Price $139.00 including ⅜" sides, ½" bottom marine panels.

12' ROWBOAT

12'x54" model constructed of plywood. Outboard power up to 5 HP. Weight 122 lbs. Oak chines, oak rails, bow belt, 2 coats marine paint. Price, $115.00 including 5/16" mahogany plywood sides, ⅜" bottom.

BROADWATER BOAT CO.
RT. 214, EDGEWATER, MD.

DINGHY PRAM

8'x44"x15" pram weighing 59 lbs. Available in ready-to-paint form. Features include fir plywood construction, one-piece bottom and full-length seat rails. Price: $39.95.

CROSBY AEROMARINE
GRABILL, IND.

CHIPPEWA

17' fiberglass canoe with flotation and balsa wood bottom construction. Price, $285.

DURATECH MFG. CO.
PEEKSKILL, N. Y.

PRAMLINE

Series includes three aluminum prams, in 8', 9' and 11' 7" lengths. Features of line are extended hollow gunwales, knee reinforced transom, hardwood motor pads and Styrofoam filled aluminum seats. Prices: $174, $189, and $215.

EDJONS BOATS
598 S. 11TH ST.,
NEW HYDE PARK, L. I., N. Y.

PRAM

8'x4'x16" pram built of fir plywood skin, oak seats and oak frames. Boat is painted outside, varnished inside and Monel fastened. Price: $90.

With the BAYCRAFT pre-fab system, you can own a superior boat and save money

22' MYSTIC

24' CRUISER

20' CRUISER

28' CRUISER

17' OUTBOARD

Yes, with a few simple hand tools you can easily build a BayCraft boat, because it is pre-fabricated. Each boat is soundly constructed with top specification northern white oak frame. It is carefully fitted together at the BayCraft factory on boat-builders jigs. This makes reassembly of your boat easy and economical.

BayCraft provides only the finest materials at direct-from-the-factory savings. And you can pay as you build. You only need to buy the part of the boat you are working on. BayCraft has a complete line of boats that are sporty, fast and seaworthy.

BayCraft designed boats are sturdily built to take rough weather and heavy pounding. Yet the cost is much less than many less seaworthy boats. Promote yourself to Captain. Choose your BayCraft outboard, cruiser, or sailing sloop now from our 28 page catalogue.

- DIRECT FACTORY SAVING
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- PRE-FABRICATED FOR BETTER CONSTRUCTION
- 54 YEARS BOAT BUILDING EXPERIENCE
- PAY AS YOU BUILD PLAN
- MARINE HARDWARE INCLUDED

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COAST CANVAS CO. *announces a boating innovation designed for streamlining and comfort*

THE AIR-FLO CONVERTIBLE TOP

A built-in air scoop springs open with the flick of a finger to provide comfortable air-cooling while in motion, air circulation when docked. Fiberglas screen keeps out insects. Watertight when closed.

The AIR-FLO Convertible Top is available for all popular model boats

Manufacturers of the PERFECT PILOT SEAT

Coast Canvas Co.

3304 BRIDGE AVENUE
POINT PLEASANT, NEW JERSEY

E. GITT
P. O. BOX 182, SPRINGFIELD, PA.

MINNOW

12'8"x33"x12" canoe weighs 35 lbs., seats 2. It has a white fiberglass hull and mahogany topsides. Styrofoam flotation is bonded to underside of decks, and hull is molded in one piece complete with keel and bilge keels. Prices, $159, complete; $129, kit.

GRAHAM-PRAM
8365 LEONA ST.,
FOFESTVILLE, WASH. 28, D. C.

PRAM

8' flat bottom rowboat of marine plywood. Unpainted, $59.95; painted, $74.95.

GRUMMAN BOATS, INC.
MARATHON, N. Y.

ALUMINUM CANOES

7 models from 13 ft. to 20 ft.; from 45 to 113 lbs. Styrofoam flotation fore and aft insures maximum safety. Built of two identical hull halves, flush riveted and fully heat treated; all ribs, thwarts and seats are pressed from wrought aluminum for greater strength; keels and gunwales are solid extrusions. The Grumman sailing rig converts the Grumman aluminum canoe into a sailing craft. Rig includes nylon sail, aluminum spars and mast, leeboards and spreader bar, tilt-type rudder and adapter, mast step and thwart and all necessary lines for rigging. The larger sail rig (Gunter) can be reefed down on a roller-type boom. Sailing equipment can be installed at any time, as can the outboard motor bracket.

DINGHIES

The Grumman built (Rhodes Designed) 8½ feet dinghy. Two models: the standard Rowing Dinghy, and Dinghy for sailing. Fitted with outboard motor mounts on stern to take small size motors. Length, 103½". Weight, 78 lbs.

15' SPORT BOAT AND CANOE

Will support recommended size motor and normal load if accidentally swamped, and can be stored out of doors the year around. Heat treated hulls.

HAMPDEN WOOD PROD.
155 RIVER ST.,
WEST SPRINGFIELD, MASS.

V-PRAMS

8' and 10' plywood-built prams.

ROWBOATS

12' plywood car top boat and 12' and 14' pine side rowboats with pine or plywood bottom.

ANGLER

12' plywood car-top boat, with 50" beam and 16" depth. Weight is 98 lbs.

ARISTOCRAT

14' salt water lapstrake dory weighs 140 lbs., has beam of 53" and depth of 19".

HOWARD BOAT MFRS.
925 SOUTH ST., WRENTHAM, MASS.

DINGHIES

10' model and 8½' model, both of one piece fiberglass construction with impregnated colors. 10' model weighs 90 lbs., is recommended for 5 HP outboard power, price $175; 8½' model weighs 60 lbs., is recommended for 3 HP motor, price $135.

UTILITY BOAT

12' Utility with 56" beam, 17" freeboard. One piece fiberglass construction with molded-in seats and rub rail. Recommended for use under oars or outboard power up to 10 HP. Price $269.

KALAMAZOO
CANVAS BOAT CO.
432 HARRISON ST.,
KALAMAZOO, MICH.

KALAMAZOO FOLDING BOAT

12'x44" square stern, canvas boat which folds into a case designed to fit into a car trunk or aircraft. Rated to carry a 5 HP outboard motor. Other

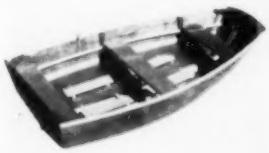
models include 10, 11, 14, and 16-foot square stern boats, canoes and double-end river boats. Constructed of extra-heavy rubber-treated canvas with galvanized spring steel folding frame for fresh or salt water.

MILCO TANK & BOAT CO.
WHITE PIGEON, MICH.

DUCKSTER D-29

9'x46" aluminum duck boat. 2 or 3 seats. For hunting or fishing. 70 lb. weight. Price, $144. Also available in 12'. 9' "Little Swan LS-39" also available, for 3 HP motors, $139 unpainted.

NAUTILUS BOATWORKS, INC.
441 LEXINGTON AVE.,
NEW YORK 17, N. Y.



PRAM

8'x4' Mahogany pram, brass screw fastened to a clear ash frame featuring fore and aft as well as quarter knees for added strength. Will carry outboard motor up to 15 HP. Weight 65 lbs. Price, $85 complete with chrome hardware and "No-Vibe" transom. Identical model available in fir at $69.50.

NORWEGIAN MOULDED SHAPES, INC.
ROCKPORT, ME.

TURTLE DINGHY

Mahogany "Skandia" can be be used in rough water, does not require extensive maintenance. African mahogany construction, waterproof resins, in two sections sealed with internal and external keels. Other boats available: 10' dinghy, the "Turtle," weighs 65 lbs., has 1,200 lb. capacity, takes 5 HP; 10' sailing dinghy, the "Nomo 10," supports 2 even when swamped, has Ulmer nylon sails. All models have same construction (except dinghies are solid one-piece); all are imported from Norway. Literature on request.

SKANDIA

16' Norwegian built canoe; molded African mahogany construction. Weight 52 lb. Price, $225.

GEORGE O'DAY
9 NEWBURY ST., BOSTON 16, MASS.

PIXIE

Molded mahogany rowboat

that features 2-piece construction for easy storage (assembled in 30 seconds). Two seater, 10' long, 45 lbs. weight, $195; single seater, 7'8" long, weight 35 lbs., $175. Also available: "Dinky," a 3-seat rowboat of mahogany construction, 7'6"x4'1", 75 lbs. weight. Price, $325. English made.

OLD TOWN CANOE CO.
OLD TOWN, ME.

OCTA MODEL CANOE

Lengths made 16' to 18', 34½" to 37" width, depth amidships all 13". Wide, flat floor and convex sides. Price, $219 to $259.

SPONSON CANOE

Named Sponson from the air chambers built out each side and extending stem to stern, they give stability and buoyancy. Sponsons add 25 lbs. to boat. Are built to order. Oarlocks also available. Made in 16' to 18' lengths, and from 42½" to 45" wide, 13" uniform depth, weight 95 to 120 lbs. Price, open mahogany gunwales: $299 to $319.

OLD TOWN SKIFF

Rowing and outboard skiffs range from 10' to 16', with rowing skiffs suitable for use with motors up to 7½ HP, and outboard skiffs for motors up to 20 HP. Boats feature lapstrake construction, with bottom and side boards of red cedar; frames, knees and gunwales are oak or ash. Prices: from $195 to $310. Available accessories include waterproof covers and hoods for motors.

PERE MARQUETTE
SCOTTVILLE, MICH.

SCOUT

16' canoe with 36" beam and 13" depth. All fiberglass construction with aluminum gunwales, bow and stern plates. Styrofoam flotation. Weight 80 lbs. Price, $225.

SHELL LAKE BOAT CO.
SHELL LAKE, WISC.

CANOES

16' canoes available include square-sterned Sioux, with an OBC capacity of 3½ HP, and double-ended model, Apache. Features include fiberglass construction, aluminum gun-

FERRELL Ship N Shore HORNS

the NEW "SEA RUNNER" $14.95

Sound off... with the Finest

"Sea Runner" . . . the handy horn. Over 800 strong, clear, resonant 1 to 2 mile signals. Six beautiful colors to choose from. All metal.

Other famous Ship N Shore models are: Sporty, Seasport, Shipmates, Shipmates Deluxe, Seacruiser, Seacruiser Five. Solid metal, sleek, lustrous, triple-plated chrome beauties.

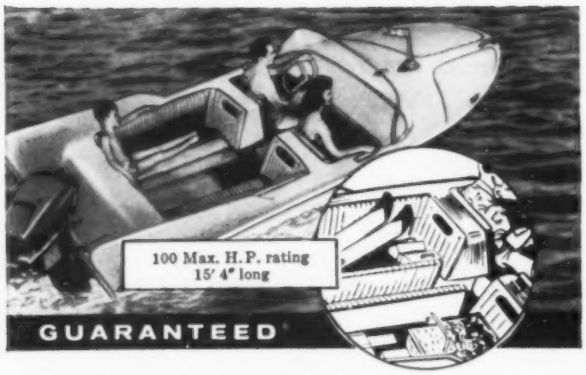
Ship N Shore horns are precision engineered and all movable parts are brass. Prices range from $14.95 to $45.00.

FERRELL MANUFACTURING CO.
GROTON, NEW YORK

family fun starts

with **GLASS CRAFT**

outboard boats



VERSATILITY AFLOAT

The aero-dynamic Olympia adaptable for fishing, camping, skiing, and cruising. A real winner for family fun.

*Glass Craft Guarantees the fiberglass hull construction of their boats for 5 years against all defects in materials and workmanship under normal use.

Greater safety . . . Dry-Ride comfort . . . Easier handling . . . Advanced styling means more family fun in a Glass Craft

6 models to choose from

Write for color folder showing the Olympia, Citation and Imperial models

GLASS CRAFT BOATS, Inc.
Fort Dodge, Iowa, Dept. P-2

wales, deck plates and seats. Beam is 34", depth, 13".

SUDBURY LABORATORY
SUDBURY, MASS.

TRANSPARENT BOAT

8'x47"x19" Dinghy of transparent plastic construction, weighs 44 lbs. and will carry up to 600 lbs. Mahogany seats and gunwales. Rated to carry 3-HP motor. Price, $199.95.

SU-MARK, INC.
STONE ST., WALPOLE, MASS.

DINKY

8'2" family boat weighing 60 lbs. Has two position rowing and high mobility. Rugged enough to handle a small motor. Priced from $129.50.

TOPPER

11' fiberglass family boat with built-in flotation. Safe, light, easy to handle. Will handle up to 10 HP. Price, $249.50. Easily portable.

TERRY'S BOATS
HWY. 36 & CENTRAL AVE.,
WEST KEANSBURG, N. J.

TERRY'S BOATS

Prams, painted and unpainted, $55, up; and cedar rowboats, $90 and up. Other listings under Inboards and Outboards.

JAY V. ZIMMERMAN CO.
7933 CLAYTON RD., ST. LOUIS 17, MO.

Z-BOAT

5'x29"x8½" molded "Dylite" plastic boat weighs 15 lbs., is unsinkable, and supports over 250 lbs. Price, $40. With outrigger attachment, $55.

HOUSEBOATS

BOAT DISTRIBUTION, INC.
CLINTON, N. C.

GRANDMA III

25'4"x8'x4½' amphibious houseboat has retractable wheels and can be used with outboard motors up to twin 60 HP installation. Boat has galley, toilet, sun deck, and 4 bunks. Hull is steel, cabin is covered with aluminum, and interior is of marine plywood. Price, $3,475.

DREAMBOAT MFG. CO.
P. O. BOX 212, GUNTERSVILLE, ALA.

VACATIONER

25'x8'x5". Marine plywood covered with fiberglass over oak frames construction. 100 sq. ft. of cabin space with 6'6" headroom. Standard equipment includes galley with sink, stove, ice box and cabinets; toilet and shower; upholstered pullman-type bunks, drawers under; steering control, electric steering optional; dinette slides under foredeck when not in use. Jalousie and sliding windows, sliding screens. Price, $2,895.

SUNLINER

30'x10'x6". Houseboat with 6'6" headroom, screened jalousie and sliding windows, sliding aluminum screens. Open sun deck has non-skid flooring. Also available with 12-foot beam. Standard equipment includes galley with sink, stove, ice box and cabinets; state room with full bed, 2 closets; steering control, electric steering optional; dinette with upholstered seats, storage under, that converts into a bed; rubber-mounted transom for outboard motors. Head with toilet and shower. Double bunk and couch combination in living room. Construction is marine plywood covered with fiberglass over oak framing. Price, $3,795.

DUBUQUE BOATS
302 E. 3RD ST., DUBUQUE, IOWA

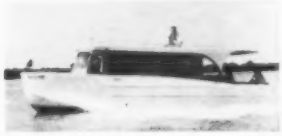
HOUSEBOAT

42'x16' overall dimensions include 40'x12'x3'9" all-steel hull, with 27'x12' cabin, providing two lounges, full galley, head with shower, pressure water system. Also snack bar and wardrobe closets. Hull is constructed with three watertight

WHEN IS THE BEST TIME FOR A Holiday?
Anytime that the occasion calls for safe family boating – Anytime that a "soft ride" is of major importance – Anytime you want a hull to perform perfectly for any water sports and draw enviable glances for advance styling, then this is time for a HOLIDAY or any of the other style studded models from 14' to 19' from America's Foremost Clinkerbuilt Outboard Boat Line. Full color catalog on request. Write For Yours Now!
Cruisers INC.
103 PECOR STREET, OCONTO, WISCONSIN

compartments, and engine compartment is completely aft of cabin area. Standard power is Chrysler 125 HP Crown, with dual engines of any selection as optional equipment.

FALLS CITY FLYING SERV.
MARINE DIV.
STANDIFORD FIELD
LOUISVILLE, KY.



MARINETTE

28'x8' houseboat cruiser is all-aluminum, and available for use with either inboard or outboard power installation. Inboard version offered has 70 HP Gray Marine, and can attain speeds to 18 mph. Outboard model will do 20 mph with two 35 HP engines. Hull is completely welded, with styrofoam added for flotation. Sleeps 4, has galley, complete head, 6'3" headroom in cabin and sun deck. Prices, inboard, $6,995; outboard, $5,495.

FLOTEL
1 MAIN ST., RICHMOND, VA.

FLOTEL

Available in lengths of 21'8", 27'8" and 32'8". Triple-hull boat is of aluminum with harborite decks. Prices start at $1,750.

MFR., Flotel, 1 Main St., Richmond, Ind.

GRAFTON BOAT WORKS
GRAFTON, ILL.

32' DRIFT-A-LONG

32'x11'3" houseboat sleeps 4 or 6, and is equipped with 60 HP Gray Marine engine with Walters Vee-drive, achieving speed of approximately 11 mph. Hull is Vee-bottom, scow bow, made of 11 gauge steel with 10 gauge chines and keel. Standard features are ice box, plywood-finished interior, enameled steel cabinets and porcelain sink, Marmac steering control, Graymarine instrument panel, electric horn and stove. Price, $9,708. Manufacturer also offers houseboats from 35' to 40', ranging in price to $18,000.

HAR-MAC, INC.
STRATFORD, WIS.

MOBILE DUCK

25'x8' boat with retractable running gear, 5 air chambers, steel hull, aluminum cabin, mahogany cabin interior, steel ladder to roof for sun bathing, sleeps 4, gas stove, refrigerator, toilet, fresh-water tanks, lighting. Can be maneuvered on land or water. Suitable for fishing, hunting, outings.

RIVER QUEEN BOAT WORKS
6655 EAST DUNES HWY., GARY, IND.

RIVER QUEEN HOUSEBOAT

32'x11' houseboat can be used with either inboard or outboard power for speeds of 10-12 mph. Features include bunk beds, fully equipped kitchen, lavatory and marine toilet, and water and electric systems. Manufacturer also offers this and a 24' model in three stages of completion—hull only, hull and complete superstructure with no interior partitions, and hull and all necessary parts for completing boat.

MISSISSIPPI

35'x13'x8" houseboat is available with either inboard or outboard power installation. Features include 12 gauge steel hull, superstructure of marine plywood, French walnut interiors, and full controls.

STANLEY MOBILE HOMES
BOX 75, DIXON, ILL.

YACHTLAND

30' houseboat is cut to a vee shape at front of hull. Foam rubber bunks are among features of the living accommodations. Price, $4,450.

TRAIL-IT COACH MFG. CO.
5830 SECOND AVE.
DES MOINES, IOWA

TRAIL-IT CRUISER

26' amphibious cruiser has 8' beam and is equipped for land and water travel. Cruiser has retractable wheels, sleeps 4, and features 8'x16' fiberglass sun deck, heavy-duty windshield, interior paneled in mahogany ribbon grain, complete kitchen with two-burner LP stove, icebox, 20 gallon fresh water storage tank and 6, 12 or 110 volt system. Vee bottom hull is of 13 gauge steel coated with anti-corrosive paint and reinforced with steel channels. Weight is 2,960 lbs.

NOVELTY BOATS

ARNOLT CORP.
WARSAW, IND.

AMANDA WATER SCOOTER

6'6"x3'10", scooter is fitted with Vincent Marine engines in various sizes, both single and twin engine models. Hull is of reinforced fiberglass. Made in England.

CUSTOMCRAFT, INC.
FT. WAYNE, IND.

PORT-A-CRAFT

Portable raft-type boat with twin fiberglass hydrofoil hulls, 170 lb. sections that assemble in 10 minutes, Harborite decks, plated steel railings. 410 lb. weight, capacity 1,800 lbs., 8x12 foot deck area. Takes up to 10 HP motor, will provide 12 mph with 7½ HP.

GLOBAL AIRBOAT
126 W. 30th ST., NEW YORK 1, N. Y.

PORTABLE RUBBER BOAT

12½' long, double-ender inflatable "Airboat" built of fabric reinforced with rubber. Collapsed, it packs into a duffelbag 10"x19". Weight 23 lbs.; color, green; complete with pump, cushion mats and carrying bag. Price, $99.50.

GUNDERSON
CATAMARAN CO.

SURF CAT

16'x6' with 12" pontoon height. Especially designed for lifeguards and sportsmen, the model is designed to be handled by one man in average surf.

HAMPDEN WOOD PRODUCTS
155 RIVER ST.
WEST SPRINGFIELD, MASS.

WATER BICYCLE

Plywood built water bicycle.

HORST MFG. CO.
12675 HAGGERTY RD.
BELLEVILLE, MICH.

WATERBIKE

All metal, aluminum and steel. Pontoons support over 400 lbs. Length 9', height 43", weight 140 lbs.

KAYE YACHT
PONTOON BOAT CO.
MANKATO, MINN.

WEEKENDER

Outboard-powered catamaran pontoon boats have flat decks with capacity of 12 to 18 people. Pontoons are 19" in diameter, made of 16 gauge steel, with seams overlapped and electrically welded. Boats are available in 3 sizes with deck sizes 7½'x16'; 7½'x20' and 7½'x8'. Prices, from $379.

LEPEL WATERSCOOTER
121 MALCOLM COURT
ELYRIA, OHIO

LEPEL WATERSCOOTER

6'3"x3'4" reinforced fiberglass craft in two models. Model #1 has 1½ HP engine, hand starter, styrofoam, will travel in close circle around rider should he fall off. Model #3 has 5½ HP engine, aircooled, inboard type, with electric starter, may be run in standing position like a surfboard, speeds to 20 mph, styrofoam flotation, stops if rider falls off. Prices: Model #1, $375; Model #3, $495.

PORTA CO., INC.
32 NEPONSET ST.
CANTON, MASS.

PACKET

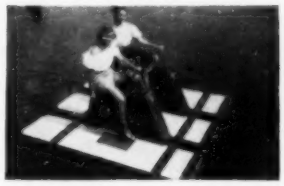
Lightweight folding boat 6'x4'. Ready for use, folds to 38" high and 20" across. Weight, with chair, oars and oarlocks, is 24 lbs. Draws 2" of water with 200 lbs. aboard. Hull is 14 oz. rot and mildew-proofed duck coated with vinylite. Ribs are aluminum tubing. Capacity is over 500 lbs. Price, $98.50, including chair, oars, oarlocks and harness for carrying boat.

SELLECK WATERCYCLE CO.
N.W. 2nd AVE. AT 15 ST.
BOCA RATON, FLA.

STANDARD WATERCYCLE

Non-tip, self-balancing, non-sinkable twin-float craft operates by foot pedals, steers with handlebar. Attachment for outboard is available. Available in 2 types of kits, as well

as assembled. Plans and parts sets which include all metal working parts ready to install, wood parts supplied by customer, are also available. Price, $375 finished. Kit, $213.



DOUBLE WATERCYCLE

8'x77", weight, 250 lbs. Has 2 independent paddlewheels that both drive and steer the craft. Requires 2 riders, either adults or children; 3 or 4 children can ride at one time. Craft has 3 floats and 2 housings side by side. Packed knocked-down in 5 cartons; can be assembled in about 1 hour. Price, $625, complete. Kit, $329.

FOLDING BOATS

Many a one-room-apartment dweller is now a boat owner. The small portable folding boats make this possible—no home is too small. Compact enough to compress into one or two duffle bags, they are light enough to be carried on the back by hikers, tied on a motor scooter or bicycle, stowed inside the smallest foreign sports car.

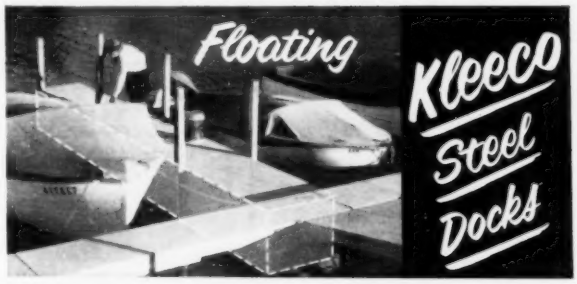
Models can be variously unfolded or inflated; newer models with air-tube flotation are unsinkable and more stable as well if the tubes act as side sponsons. Hand pump-up models can be less expensive than those inflated by CO_2 cylinder since the rapid entrance of the gas can refrigerate the surrounding rubber to a point where it can become brittle and susceptible to cracking, requiring special construction. And inflation cylinders must be refilled after every use. Designed to resemble kayaks, fold boats under 20 feet have been successfully paddled and sailed across the Atlantic, but are most suitable for camping and hunting trips on inland waters. Check to see if the model you choose can carry sail as well.

AIR BOATS

For areas where the water gets so thin that it can suddenly disappear completely in the marsh grass, an air motor may be the ideal answer. Developed for Everglades "swamp buggies," john boats, and river skiffs, the aircraft-type propeller can push a shoal-draft craft along at a good speed. Submerged logs and underwater snags cannot foul the propeller. Installation of the powerplant can be permanent, or the unit may be clamped on the transom in the same manner as a conventional outboard. With a full-size light-plane aircraft engine used for power, speeds up to 50 miles per hour have been reported. With motors of this type great care must be used to provide safety guards around the propeller at all times. — ⚓

HAVE YOU SEEN...

. . the revolutionary KLEECO docks? Standard (and custom) for any waterside need —all-steel for permanent, economical installations. Exceptional strength, rounded edges and corners, and skid-proof decks establish a new high in safety!



SKIPPER is the dock for the individual or small harbor. It is light in weight and portable for in-and-out and "do it yourself" handling and installing but ruggedly designed and constructed for rigidity, long life, minimum maintenance, and low first cost.

TRITON is a heavy-duty dock particularly suited for clubs, marinas and larger commercial, public, and private harbors. Assembly of basic deck panels permits installations and additions of any length, and widths of 2, 3, 4, 5 and 6 feet.

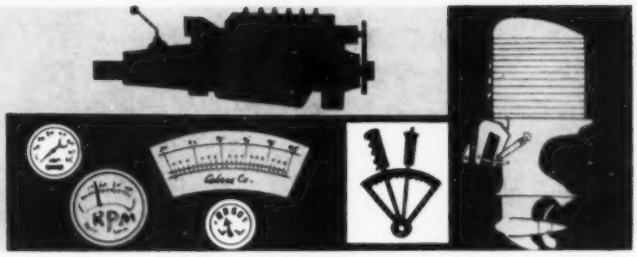
KLEECO FLOATING Docks fill profound boating needs. Ideal for fluctuating water levels and harbor bottoms which are impractical for pile driving. The water-tight steel floating dock units, singly or massed, are hinged to the shore to adjust to water level changes. Costly pile driving is eliminated.

All Kleeco models have construction, installation, adjustment, reassembly, safety, and economy features that set them apart as today's finest dock values.

YOUR INQUIRY WILL BRING LITERATURE AND COMPLETE INFORMATION. WRITE TODAY!

KLEECO Steel Dock
the Klein Steel Co. 408 N. BUCKEYE ST. BELLEVUE, OHIO

OUTBOARD & INBOARD ENGINES



A BOAT without auxiliary sails is only as good as its power plant, and must depend entirely upon this source of propulsion for seaworthiness and maneuverability. Modern marine power plants have come a long way from the time past when they were just a novelty to be tucked into the bilge or draped over the transom as an "extra added attraction" for sea-going gadgeteers. Since Thomas Fleming Day crossed the Atlantic in the Detroit, a motor boat with an early internal combustion engine, the marine power plant has gained a reputation for dependability, ruggedness, and thoughtful engineering. The average marine engine, if properly cared for and protected against galvanic corrosion, will serve its owner faithfully and constantly throughout long years of pleasant cruising. The outboard motor, through research engineering and its own merits, has earned a place as a major contributor to the world's marine developments. Men who supply the seafood markets of the globe, as well as the yachting buff who turns to the water in the search for freedom and family enjoyment, has learned to take the marine power plant much for granted. Modern engines make this possible.

OUTBOARDS

Electric starting outboards of high horsepower and remote steering have sparked the rise in popularity of the outboard cruiser, a type of boat that has contributed much to the American boating scene. New motors for 1959 show a definite trend toward less maintenance worries for the owner and quieter, more versatile operation. Thermostatic cooling is an innovation for many companies this year, and whether you operate in lukewarm Southern waters or frigid Alaskan bays, the motor head temperature will remain constant for maximum efficiency. In most medium and high HP motors, the slip clutch has replaced the shear pin, so that when the prop blade strikes an object, the frustrating job of changing pins is unnecessary. White powder that destroyed paint finish when the aluminum cowlings oxidized, will be replaced this year in many cases by fiberglass reinforced plastic cowlings, which are impervious to salt water. The sound absorbing effect of fiberglass is also claimed as one reason that motors will be quieter. Several companies have introduced hydraulic lifting apparatus to tilt up the motor when beaching or upon striking a submerged object, and with present heavy weights of large HP units, this is a welcome development.

CHECK LIST FOR POWER PLANTS

- ☐ **Do you have enough experience to match an inboard or outboard motor to a boat? If not, can you secure the services of a reliable dealer?**
- ☐ **What kind of service will you expect from a power plant—economy of operation, or high speed performance?**
- ☐ **Will an inboard engine or outboard motor best fit your requirements?**
- ☐ **Remember engine weight affects the trim of a boat. Is your engine weight tailored to the hull?**
- ☐ **Will you be able to do your own maintenance? If not, a detachable motor simplifies repairs.**
- ☐ **Do you trail your boat, or is it moored afloat? This can affect your choice.**

OUTBOARDS

- ☐ **High horsepower motors are frequently unsuited for some boats. Can your dealer advise you?**
- ☐ **Do you wish to enter the racing field, or cruise at slower speeds? There are different motors for each service.**
- ☐ **Will the children operate the motor? They can get in less trouble with a conservative horsepower size.**
- ☐ **Electric starting, or manual? There is a price difference.**
- ☐ **Would twin engines better fill your needs?**

INBOARDS

- ☐ **Have you measured the available space for a new installation? Manufacturer's specifications can save buying an oversized engine.**
- ☐ **Would a Vee drive help to conserve valuable space? Many engines are so equipped.**
- ☐ **What cruising range would you like to attain? Manufacturers can sometimes supply gas consumption figures.**
- ☐ **What kind of service will the engine perform? There are high torque, high rpm engines for racing runabouts, and slow turning, powerful plants for heavy cruising hulls.**
- ☐ **Have you checked with your dealer to see if he will accept a trade-in on your old engine? This can sometimes save you money.**

INBOARDS

The year 1959 is one of retooling and re-design for many inboard manufacturers. Most will feature at least one Veed configuration engine in their line in order to pack greater HP per pound into each inch of installation space. Several makers are turning out high torque, high rpm engines of over 200 HP which occupy the same space of former in-line engines of only 60 to 80 HP. In the near future, even lighter weight engines can be expected when new alloys of greater strength and corrosion resistance, now in the development stage, are put into production. The marine diesel, although higher in initial cost, was principally avoided by small boatmen heretofore because of its tendency to weigh like lead ballast and eat up space. This was because of the massive castings necessary to withstand the tremendously high compression ratios needed to ignite diesel fuel. Modern metallurgy and development engineering will offer lightweight diesels this year which compare favorably in required installation room and weight with gasoline engines of comparable horsepower.

Another newcomer to the boating scene from which you can expect many radical innovations is the inboard engine, outboard drive unit. Here is an attempt at combining the best features of both drive systems. Some of the newest engine products available, for a storehouse of ideas, and possible solution to your particular problem, are presented in this section of the Buying Guide Directory. Here, too, are listed the equipment and accessories available for converting auto engines to marine use, plus the many engineering items useful for best outboard or inboard performance.

OUTBOARD MOTOR COMPARISON CHART

COMPANY	MOTOR MODEL	HP	PISTON DISPL.	NO. CYLINDERS	STARTER	GENERATOR AVAILABLE	WEIGHT	LONG SHAFT AVAILABLE	PRICE
Air Boats, Inc. Box 2255 St. Louis, Mo.	Air Boy, Airplane-type air drive prop outboard. Model 50	5	—	—	—	—	56 lbs.	—	$239.00
	Model 40	4	—	—	—	—	54 lbs.	—	$215.00
	Model 20	2	—	—	—	—	38 lbs.	—	$179.50
British Marine Products Ltd. 80 Shore Rd. Port Washington, N.Y.	Seachief Cadet Air-cooled	2	—	1	manual	—	31 lbs.	—	—
	Seachief Captain Air-cooled	4	—	1	manual	—	34 lbs.	—	—
British Sea Gull The Tidemill Co. Kirby Lane, Rye, N.Y.	Forty	1	—	1	manual	—	26 lbs.	—	$130.00
	Minus	1½							
	Forty Plus	1½ 2½	—	1	manual	—	28 lbs.	yes	$140.00
	Century 100	3-4	—	1	manual	—	34 lbs.	yes	$175.00
	Century 100 Plus	3½-5	—	1	manual	—	37 lbs.	yes	$190.00
	Model 102	3½-4	—	1	manual	—	40 lbs.	yes	—
	102 Plus	3½-5	—	1	manual	—	48 lbs.	yes	—
Evinrude Motors Milwaukee, Wisc.	Lightwin	3	5.28 cu. in.	2	manual	—	33 lbs.	yes	$160.00
	Fisherman	5½	8.84 cu. in.	2	manual	—	56 lbs.	yes	$230.00
	Sportwin	10	16.6 cu. in.	2	manual	—	67 lbs.	yes	$310.00
	Fastwin	18	22 cu. in.	2	manual	—	79 lbs.	yes	$395.00
	Big Twin	35	40.5 cu. in.	2	manual	—	125 lbs.	yes	$525.00
	Lark	35	40.5 cu. in.	2	electric	—	138 lbs.	yes	$625.00
	Four-Fifty	50	70.7 cu. in.	4	manual	—	209 lbs.	yes	$750.00
	Starflite	50	70.7 cu. in.	4	electric	—	221 lbs.	yes	$850.00
Gale Products Galesburg, Ill.	3 H.P. Deluxe	3	5.32 cu. in.	2	manual	—	32 lbs.	yes	$140.00
	5 H.P. Deluxe	5	8.84 cu. in.	2	manual	—	51 lbs.	yes	$230.00
	12 H.P. Deluxe	12	17.8 cu. in.	2	manual	—	77.5 lbs.	yes	$325.00
	25 H.P. Deluxe	25	35.7 cu. in.	2	manual	—	119.5 lbs.	yes	$465.00
					electric	—	130 lbs.	yes	$555.00
	35 H.P. Deluxe	35	40.5 cu. in.	2	manual	—	128 lbs.	yes	$495.00
	Sovereign	35	40.5 cu. in.	2	electric	—	137 lbs.	yes	$595.00
Johnson Motors Pershing Rd., Waukegan, Ill.	Sea Horse 3	3	5.28 cu. in.	2	manual	—	33¼ lbs.	yes	$160.00
	Sea Horse 5½	5½	8.84 cu. in.	2	manual	—	55½ lbs.	yes	$230.00
	Sea Horse 10	10	16.6 cu. in.	2	manual	—	67 lbs.	yes	$310.00
	Sea Horse 18	18	22 cu. in.	2	manual	—	77 lbs.	yes	$395.00
	Sea Horse 35 Super	35	40.5 cu. in.	2	manual	—	128 lbs.	yes	$525.00
	Sea Horse 35	35	40.5 cu. in.	2	electric	yes	136 lbs.	yes	$625.00
	Sea Horse 50 Super	50	70.7 cu. in.	4	manual	—	207 lbs.	yes	$750.00
	Sea Horse 50	50	70.7 cu. in.	4	electric	yes	215 lbs.	yes	$850.00
Mercury Motors Kiekhaefer Corp. Fond du Lac, Wisc.	Mark 6A	6	7.2 cu. in.	2	manual	—	46 lbs.	—	$225.00
	Mark 10A	10	18.5 cu. in.	2	manual	—	77 lbs.	—	$310.00
	Mark 15A	15	18.5 cu. in.	2	manual	—	83 lbs.	—	$345.00
	Mark 28A	22	22 cu. in.	2	manual	—	88 lbs.	—	$410.00
	Mark 35A	35	40 cu. in.	4	manual & electric	— yes	123 lbs.	yes —	$480.00
	Mark 55A	40	44 cu. in.	4	manual electric	— yes	125 lbs.	yes	$540.00
	Mark 58A	45	44 cu. in.	4	manual electric	— yes	127 lbs.	yes	$600.00
	Mark 75A	60	66 cu. in.	6	manual electric	— yes	185 lbs.	yes	$745.00
	Mark 78A	70	66 cu. in.	6	manual electric	— yes	188 lbs.	yes	$925.00
McCulloch Corp., Marine Products Div. 2901 E. Hennepin Ave. Minneapolis, Minn.	Flying Scott	60	63.27 cu. in.	3	electric	yes	186 lbs.	yes	$950.00
	Royal Scott	40	42.18 cu. in.	2	electric	yes	145 lbs.	yes	$699.00
	Scott 40	40	42.18 cu. in.	2	electric	yes	145 lbs.	yes	$629.95
	Scott 40	40	42.18 cu. in.	2	manual	yes	131 lbs.	yes	$529.95
	Scott 25	25	30 cu. in.	2	electric or manual	yes	120 lbs. el. 107 lbs. man.	yes	$529.95 elec. $449.95 man.
	Scott 10	10	14.82 cu. in.	2	manual	—	65 lbs.	yes	$319.95
	Scott 7.5	7.5	11 cu. in.	—	manual	—	61 lbs.	yes	$279.95
	Scott 5	5	7.48 cu. in.	—	manual	—	49 lbs.	yes	$239.95
	Scott 3.6	3.6	6.23 cu. in.	—	manual	—	36 lbs.	—	$132.50
Montgomery Ward & Co. 618 W. Chicago Ave. Chicago, Ill.	Sea King	3	5.32 cu. in.	1	manual	—	32 lbs.	—	—
	Sea King	5	8.84 cu. in.	2	manual	—	51 lbs.	—	—
	Sea King	12	17.89 cu. in.	2	electric or manual	—	86½ lbs. 77½ lbs.	—	—
	Sea King	25	35.7 cu. in.	2	electric or manual	—	130 lbs. 119 lbs.	—	—
	Sea King	35	40.5 cu. in.	2	electric	—	134 lbs.	—	—
Muncie Gear Works Muncie, Indiana	Mighty Mite	1.7	—	1	manual	—	17 lbs.	—	$94.95

(continued on next page)

COMPANY	MOTOR MODEL	HP	PISTON DISPL.	NO. CYLINDERS	STARTER	GENERATOR AVAILABLE	WEIGHT	LONG SHAFT AVAILABLE	PRICE
Oliver Outboard Motors Battle Creek, Mich.	Oliver 6	6	9.42 cu. in.	2	manual	yes	50 lbs.	yes	$240.00
	Oliver 16	16	19.9 cu. in.	2	electric	—	85 lbs.	yes	$455.00
					or manual	—	79 lbs.	yes	$380.00
	Olympus 35	35	42.3 cu. in.	2	electric	yes	125 lbs.	yes	$640.00
Robertson-Hedges, Inc. 647 W. 39th St., Kansas City, Mo.	Dragonfly Airplane-type air drive prop outboard Model 47	2	—	—	—	—	38 lbs.	—	—
	Model 81	5	—	—	—	—	50 lbs.	—	—
Seapacer Corp. 626 W. 116th St., Seattle 77, Wash.	Seapacer, 4 cycle Air Cooled Outboard	5	—	1	manual	—	41 lbs.	—	$169.50
H. A. Valente S.R.L. Buenos Aires, Argentina	Yumpa 5	5	7.93 cu. in.	1	manual	—	—	—	—
West Bend Aluminum Co. Hartford, Wisc.	Shrimp	2	3.76 cu. in.	1	manual	—	28 lbs.	yes	—
	60 Series	6	10.6 cu. in.	2	manual	—	56 lbs.	yes	—
	80 Series	8	11.9 cu. in.	2	manual	—	57 lbs.	yes	—
	120 Series	12	17.7 cu. in.	2	manual	—	59 lbs.	yes	—
	160 Series	16	19.9 cu. in.	2	manual	—	64 lbs.	yes	—
	350 Series	35	41.5 cu. in.	2	electric	yes	137 lbs.	yes	—
					or manual	—	114 lbs.	yes	—
	400 Series	40	42.2 cu. in.	2	manual	—	114 lbs.	yes	—
	Golden Shark	40	42.2 cu. in.	2	electric	yes	137 lbs.	yes	—

OUTBOARD

AIRBOATS, INC.
3323 N. FLORISSANT AVE.,
ST. LOUIS 7, MO.

AIRBOY ENGINES

New features on 1959 Airboy 5-HP model 50 outboard air-drive engine is a heavy duty crankshaft. In static thrust tests the new 5-HP engine produced 40% more thrust than the 4 HP Model 40 Airboy which has been discontinued in 1959. Part of this power boost is due to the four blade twin turbo thrust propeller on the 5-HP motor. Propeller diameter measurement remains 26" overall; and other features retained from last year's model are the twist grip throttle assembly, transom bracket with angle adjustment to fit the Airboy to any transom, rubber motor mounts and reverse by means of 360 degree steering range. Price, $239. 2-HP model, $179.50.

DRAGONFLY

5-HP air-drive outboard motor suited for use on boats in shallow, obstructed waters and on ice sleds. Features include quick-release clamp on safety guard. Also available in 2 hp model.

BRITISH MARINE PRODUCTS, LTD.
80 SHORE RD.
PORT WASHINGTON, N. Y.

SEACHIEF "CADET"

2-HP motor featuring air cooling, low-friction ball bearings, large beveled gears and stainless-steel propeller shaft carried in bronze bearings. Cylinder head is of aluminum alloy. Weight, 31 lbs. SEACHIEF "Captain," 4-HP model, weight 34 lbs.

BRITISH SEAGULL CO., LTD.
POOLE, DORSET, ENGLAND

SEAGULL "CENTURY PLUS" MODEL

Single cylinder, 3 port, 2-stroke, water cooled outboard motor which develops 5 HP at 3500 rpm. Reduction gear ratio, 12/48. Weight, 37 lbs. Price delivered east coast, $190; long shaft model, $200. Other models from 1½ HP, $130.

LIGHTWIN

3-HP at 4000 rpm for speeds from slow troll to 8½ mph in stock boats with average loads. A 2-cycle, alternate firing, twin cylinder, water-cooled model with piston displacement of 5.28 cu. in. Carburetion is automotive type with separate high and low speed adjustments. Rope starting, manually controlled motor with 360-degree pivot steering. 6⅛"x6¼", 2-blade weedless propeller protected by "Safti-Grip" clutch. Weight, 33 lbs. Price, $160 (15" transom height model). Long shaft model available at extra cost.

FISHERMAN

5½ HP at 4000 rpm for speeds from slow troll to over 12 mph in stock boats with average loads. A 2-cycle, alternate firing, twin cylinder, water-cooled model with 8.84 cu. in. displacement. Carburetion is automotive type with separate high and low speed adjustments. Rope starting, "Roto-Matic" control fitted for remote controlled operation. 8"x7¼" 2-blade semi-weedless propeller protected by "Safti-Grip" clutch. Weight, 56 lbs. Price, $230 (15" transom height model). Long shaft model available at extra cost.

SPORTWIN

10 HP at 4500 rpm for speeds from slow troll to over 20 mph in stock boats with average loads. A 2-cycle, alternate firing, twin cylinder, water-cooled model with 16.6 cu. in. displacement. Carburetion is automotive type with separate high and low speed adjustments. Rope starting, "Roto-Matic" control fitted for remote controlled operation. 8¼"x8½" 3-blade propeller protected by "Safti-Grip" clutch. Weight, 67 lbs. Price, $310 (15" transom height model). Long shaft model available at extra cost.

FASTWIN

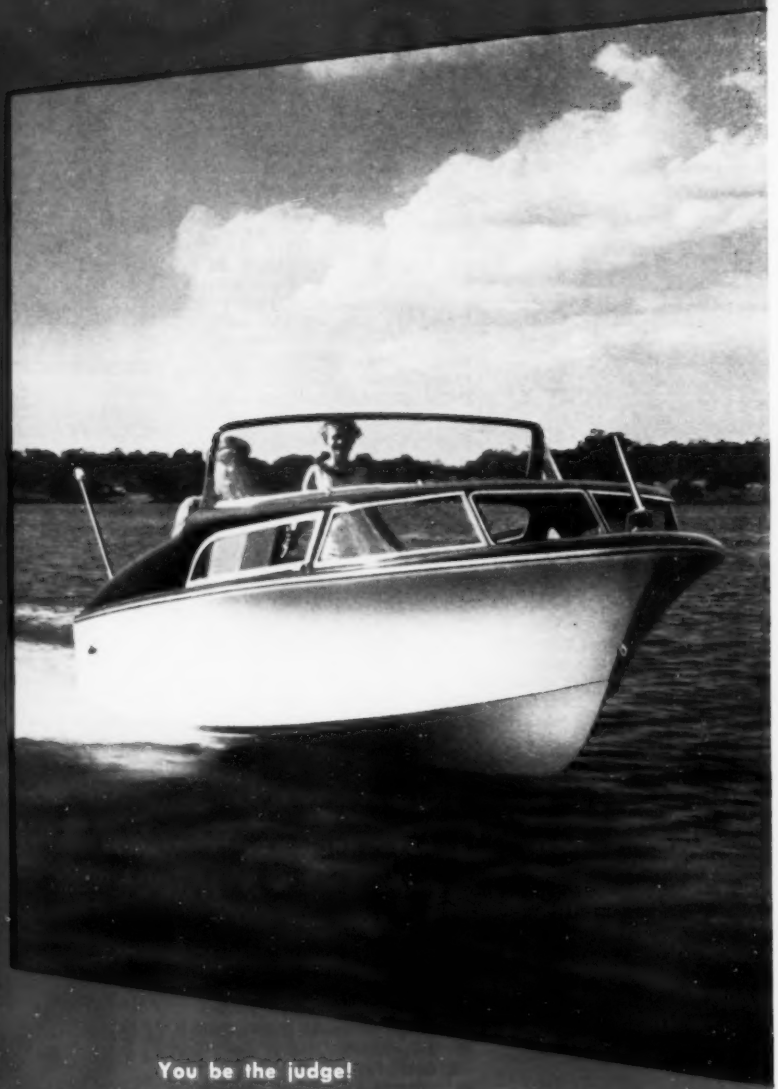
18 HP at 4500 rpm for speeds from slow troll to over 27 mph in stock boats with average loads. A 2-cycle, alternate firing, twin cylinder, water-cooled model with 22.0 cu. in. displacement. Carburetion is automotive type with separate high and low speed adjustments. Rope starting, "Roto-Matic" control fitted for remote controlled operation. 9¼" x11" 3-blade propeller protected by "Safti-Grip" clutch. Weight, 79 lb. Price, $395 (15" transom height model. Long shaft model available at extra cost.

BIG TWIN

35 HP at 4500 rpm for speeds from slow troll to over 33 mph in stock boats with average loads. A 2-cycle, alternate firing, twin cylinder, water-

THE FABULOUS $50,000 HULL

A COMPLETE NEW ADVENTURE IN MODERN BOATING



For 1959, Glass Magic presents a dramatically new hull . . . so new . . . so superior that it is protected by patents pending with the United States government.

Over $50,000 in design, tooling, engineering and testing has produced a hull to give more speed with any motor . . . faster planing . . . safer turns without skid or excessive bank . . . and softer riding characteristics.

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GLASS MAGIC, INC. • 2730 LUDELLE ST. • FORT WORTH, TEXAS

Direct Northwestern Inquiries to Duratech Fiberglass Boat Co., Peekskill, N. Y.

cooled model with 40.5 cu. in. displacement. Carburetion is automotive type with separate high and low speed adjustments. Rope starting, "Roto-Matic" control fitted for remote control operation. 10⅜"x 13¼" 3-blade propeller protected by "Safti-Grip" clutch. Weight, 125 lbs. Price, $525 (15" transom height model). Long shaft model available at extra cost.

LARK

35 HP at 4500 rpm for speeds from slow troll to over 33 mph in stock boats with average loads. A 2-cycle, alternate firing twin cylinder, water-cooled model with 40.5 cu. in. displacement. Carburetion is automotive type with separate high and low speed adjustments. 12-volt electric starting, anti-friction steering, fitted for full remote control operation. 10⅜"x13¼" 3-blade propeller protected by "Safti-Grip" clutch. Weight, 138 lb. Price, $625 (15" transom height model). Long shaft model available at extra cost.

FOUR-FIFTY

50 HP at 4500 rpm for speeds from slow troll to over 35 mph in stock boats with average loads. A 2-cycle, 90° firing V-4, water-cooled model with 70.7 cu. in. displacement. Carburetion is twin-barrel, downdraft automotive-type with single synchronized high speed adjustment. Automatic rewind rope starting, "Roto-Matic" speed control, anti-friction steering fitted for remote operation. 12⅛"x14" 3-blade propeller protected by "Safti-Grip" clutch. Weight, 209 lbs. Price, $750 (20" transom height model). Short shaft available at no extra cost.

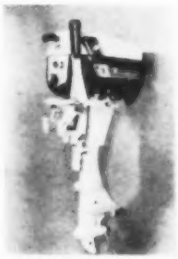
STARFLITE

50 HP at 4500 rpm for speeds from slow troll to over 35 mph in stock boats with average loads. A 2-cycle, 90° firing V-4, water-cooled model with 70.7 cu. in. displacement. Carburetion is twin-barrel, downdraft automotive-type with single synchronized high speed adjustment. 12-volt electric starting with key-turn and ignition lock; standby manual starting. Anti-friction steering fitted for full remote operation. 12⅛"x14" 3-blade propeller protected by "Safti-Grip" clutch. Weight, 221 lbs. Price, $850 (20" transom height model). Short shaft available at no extra cost.

GALE PRODUCTS
GALESBURG, ILL.

BUCCANEER 3 HP DELUXE

Speed: Slow idle to 8 mph. Weight: 32 lbs. Ignition: Moisture-proof coils and condensers. 360° pivot. Propeller protection: Rubber clutch in propeller. Controls: Single lever synchronized spark and throttle. Gas tank capacity: 0.5 gal. Running time: 1¼ hr. at full throttle. Vibration insulation: Mounted in rubber. Starting method: Automatic rewind—nylon rope. Safety features: Automatic lock when in reverse prevents tilting. Price, $140.00.

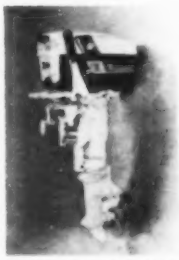


BUCCANEER 5 HP DELUXE

Speed: Slow idle to 12 mph. Weight: 51 lbs. (less tank). Ignition: Coils and condensers are moisture-proof. Forward-neutral-reverse gearshift (adaptable to remote control). Spring overload clutch in gear-case—no shear pin necessary—fishline cutter on propeller. Synchronized spark and throttle on one twist grip control for speed and steering (adaptable to remote control). Fuel system: 4¼ gal. separate tank (extra tanks optional). Running time: 4 hrs. at full throttle. Carburetor intake silencer and exhaust silencing, spring mounted. Starting method: Automatic rewind nylon rope. Automatic lock when in reverse prevents tilting. Price, $230.00.

BUCCANEER 12 HP DELUXE

Speed: Slow idle to 22 mph. Weight: 77.5 lbs. (less tank). Ignition: Coils and condensers are moisture-proof. Forward, neutral, reverse gearshift. Rubber slip clutch in propeller, fish line cutter on propeller, shear pin. Synchronized spark and throttle on one twist grip control for speed and steering (adaptable to remote control). Gas tank capacity: 6 gal. separate tank. (Extra tanks optional.) Running time: 3 hrs. full throttle. Carburetor intake silencer; exhaust muffler — power unit completely enclosed — rubber mounted. Operating lock and release prevents motor tilting when decelerating, releases when it hits underwater object. Price, $325.00.



BUCCANEER 25 HP DELUXE

Speed: Slow idle to 30 mph. Weight: 119.5 lbs. less tank. Electric model: 130 lbs. less tank. Ignition: Coils and condensers are moisture-proof. Forward, neutral, reverse gear shift (adaptable to remote controls). Rubber slip clutch in propeller, fish line cutter on propeller. Synchronized spark and throttle on one twist grip control. Electric model, (adaptable to remote control for speed and steering). Gas tank capacity: 6 gal. (separate tank). Extra tanks optional. Running time: 2 hrs., full throttle. Exhaust muffler, carburetor intake silencer. Power unit completely enclosed. Electric starting 12 volt system and/or automatic rewind with nylon rope. Safety features: Operating lock and release prevents motor tilting when decelerating, releases when it hits underwater object. Price, $465.00.

BUCCANEER 35 HP

Speed: Slow idle to 33 mph. Weight: 128 lbs. (less tank). Ignition: Coils and condensers are moisture-proof. Forward, neutral, reverse gear shift (adaptable to remote controls). Rubber slip clutch in propeller, fish line cutter on propeller. Synchronized spark and throttle on one twist grip control (adaptable to remote control for speed and steering). Gas tank capacity: 6 gallons (separate tank). Extra tanks optional. Running time 1½ to 1¾ hours at full throttle. Silencing: Exhaust muffler, carburetor intake silencer. Power limit unit completely enclosed. Automatic rewind, nylon rope starting. Operating lock and release prevents motor from tilting when decelerating, releases when it hits underwater objects, starter limit lock prevents starting above idling speed. Price, $495.00 FOB Galesburg, Illinois.

GALE SOVEREIGN 35 HP

Speed: Slow idle to 33 mph. Weight: 137 lbs. less tank. Ignition: Coils and condensers are moisture proof. Forward, neutral, reverse gear shift (adaptable to remote controls). Rubber slip clutch in propeller, fish line cutter on propeller. Synchronized spark and throttle (adaptable to remote control). Gas tank capacity: 6 gallons (separate tank). Extra tanks optional. Running time: 1½ to 1¾ hours at full throttle. Silencing: Exhaust Muffler, carburetor intake silencer. Power unit completely enclosed. Rubber mounted. Electric starting 12 volt system and automatic rewind with nylon

"DYNAFORM" MARINE HARDWARE

Dynamically styled... functionally formed... the ultimate in service—that's the crux of the new Perko "Dynaform" line. Competitively priced each and every piece is backed by Perko's half-century heritage of production know-how and design leadership. When you see the rugged, but graceful, "Dynaform" line, you'll discover why boatmen everywhere have always insisted on Perko on their "pride and joy." To better meet your every hardware need, see Perko lights, fittings and accessories. At better dealers everywhere.

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rope. Operating lock and release prevents motor from tilting when decelerating, releases when it hits underwater objects; starter limit lock prevents starting above idling speed. Mercury switch prevents starting above idling speed. Price $595.00 FOB Galesburg, Illinois.

JOHNSON MOTORS
WAUKEGAN, ILL.

SEA HORSE 3

Manual starting two-cylinder motor develops 3 HP at 4000 rpm. Has integral fuel tank, full-pivot reverse. Operation is manual with single throttle lever on engine. Available with standard 15" or 20" shafts. Weight, 33¼ lbs. Lower unit is designed to ride over underwater obstructions and through weeds. Price, $160.

SEA HORSE 5½

Manual starting two-cylinder motor develops 5½ HP at 4000 rpm. Has separate 4¼ gallon fuel tank for 4 hours running; gearshift, forward, neutral, reverse. Manual or remote speed control. In 15" and 20" shafts. Weight 55½ lbs. 2-blade aluminum, brass-bushed, weedless propeller. Slip clutch. Special features: new thermostat control of water temperatures in cooling system; fiberglass hood.

SEA HORSE 10

Manual starting two-cylinder motor develops 10 HP at 4500 rpm. Gearshift, forward, neutral, reverse drive; manual or remote speed control. In standard 15" or 20" long shaft. Weight, 67 lbs. 3-blade rubber floated aluminum propeller and slip clutch. "Suspension Drive" system, intake silencer, rubber suspended cover, under-water exhaust relief silencer. Special features: new thermostat to control water temperature in cooling system; push-button stop switch; fuel pump; fiberglass hood. Price, $310.

SEA HORSE 18

Manual starting two-cylinder

motor develops 18 HP at 4500 rpm. Has full forward, reverse and neutral gearshift. Set up for remote or manual controls. Weight, 77 lbs.; with 20" shaft, 78½ lbs. Has thermostat to maintain proper water temperature in cooling system; push button type stop switch. Price, $395.

SUPER SEA HORSE 35

Electric starting two-cylinder motor develops 35 HP at 4500 rpm. Has forward, neutral, reverse gearshift. Setup for remote operation, but has emergency throttle at powerhead. Weight, 136 lbs.; with 20" shaft, 138 lbs. Has thermostatically controlled recirculating cooling system. Special features: tilt locks for trailering; on-off-start key switch starting; compression relief system for easier emergency manual starting; fuel saver. Other features similar to Super Sea Horse 50. Price, $625. Manual start model available at $525.

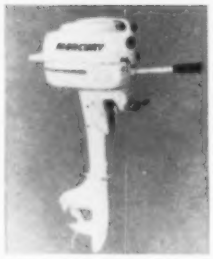
SUPER SEA HORSE 50

Electric-starting V-4 motor develops 50 HP at 4500 rpm. Has full gearshift for forward, neutral, reverse; remote operation with emergency throttle. Weight, 215 lbs. Has thermostatically controlled recirculating cooling system; on-off-start key switch starting; twin-barrel downdraft carburetor. Generator is an accessory. Price, $850. Also available in manual starting model for $750.

KIEKHAEFER CORP.
FOND DU LAC, WIS.

MERCURY MARK 6A

6 HP for speeds to 20 mph.



2-cylinder alternate-firing model with 7.2 cu. in. displacement. Weatherproof flywheel magneto ignition system, with one Tillotson std. jet carburetor. Multiple disc propeller clutch, push button shift, manual automatic rewind. Weight 46 lb.

MERCURY MARK 10A

10 HP for speeds to 26 mph. 2-cylinder alternate-firing model with 18.5 cu. in. displacement. Weatherproof flywheel magneto ignition system, with one Tillotson std. jet carburetor. "Flo-Torq" propeller clutch, automatic transmission, manual automatic rewind. Weight 77 lb.

MERCURY MARK 15A

15 HP for speeds to 29 mph. 2-cylinder alternate-firing model with 18.5 cu. in. displacement. Weatherproof flywheel magneto ignition system, with one Tillotson std. jet carburetor. "Flo-Torq" propeller clutch, automatic transmission, manual automatic rewind. Weight 83 lb.

MERCURY MARK 28A

22 HP for speeds to 34 mph. 2-cylinder alternate-firing model with 22 cu. in. displacement. Weatherproof aircraft-type magneto ignition system, with 2 Tillotson std. jet carburetors. "Flo-Torq" propeller clutch, automatic transmission, manual automatic rewind. Weight 88 lb.

MERCURY MARK 35A

35 HP for speeds to 40 mph. 4-cylinder alternate-firing model with 40 cu. in. displacement. Weatherproof aircraft-type magneto ignition system, with 2 Tillotson std. jet carburetors. "Flo-Torq" propeller clutch, lower unit shift, electric plus manual automatic rewind. Weight 123 lb.

MERCURY MARK 55A

40 HP for speeds to 42 mph. 4-cylinder alternate-firing model with 44 cu. in. displacement. Weatherproof aircraft-type magneto ignition system, with 2 Tillotson std. jet carburetors. "Flo-Torq" propeller clutch, lower unit shift, electric plus manual automatic rewind starting. Weight 125 lb.

MERCURY MARK 58A

45 HP for speeds to 45 mph. 4-cylinder alternate-firing model with 44 cu. in. displacement. Weatherproof aircraft-type magneto ignition system, with 2 Tillotson fixed jet carburetors. "Flo-Torq" propeller clutch, lower unit shift, electric plus manual automatic rewind starting. Weight 127 lb.

MERCURY MARK 75A

60 HP for speeds to 48 mph. 6-cylinder alternate-firing model with 66 cu. in. displace-

ment. Battery-type automotive ignition system, with 3 Tillotson std. jet carburetors. "Flo-Torq" propeller clutch, direct reversing shift, electric plus manual automatic rewind starting, weight 185 lb.

MERCURY MARK 78A

70 HP for speeds to 50 mph. 6-cylinder alternate-firing model with 66 cu. in. displacement. Battery-type automotive ignition system, with 3 Tillotson fixed jet carburetors. "Flo-Torq" propeller clutch, direct reversing shift, electric plus manual automatic rewind starting. Weight 188 lb.

McCULLOCH CORP.
MARINE PRODUCTS DIV.
2901 EAST HENNEPIN AVE.
MINNEAPOLIS 13, MINN.

3.6 HP SCOTT

3.6 HP at 4000 rpm. 1-cylinder model with 2⅛"x1¾" bore and stroke; 6.23 cu. in. piston displacement. Manual drop pawl starting. Weight 36 lbs. No gear shift, no power-bailing, as in all other Scott outboard models. Speeds up to 12 mph. Price, $132.50.

5 HP SCOTT

5 HP at 4200 rpm. 2-cylinder model with 1-11/16"x1-43/64" bore and stroke; 7.48 cu. in. piston displacement. Manual drop pawl starting. Weight 49 lbs. Gear shift forward, neutral and reverse. Speeds up to 16 mph. Bail-A-Matic power bailing. Muffler with idle relief. Price, $239.95.

7½ HP SCOTT

7½ HP at 4200 rpm. 2-cylinder model with 2"x1¾" bore and stroke; 11.0 cu. in. piston displacement; 13/21 gear ratio. Manual drop pawl starting. Weight, 61 lbs. Forward, neutral, reverse gear shift. Speeds up to 20 mph. Bail-A-Matic power bailing. Muffler with idle relief and air intake silencer. Price, $279.95.

10 HP SCOTT

10 HP at 4200 rpm. 2-cylinder model with 2-11/64"x2" bore and stroke; 14.82 cu. in. piston displacement; 13/21 gear ratio. Manual drop pawl starting. Weight 65 lbs. Forward, neutral and reverse gear shift. Speeds up to 25 mph. Bail-A-Matic power bailing. Muffler with idle relief and air intake silencer. Price, $319.95.

25 HP SCOTT

25 HP at 4800 rpm. 2-cylinder model with 2-51/64"x2-7/16" bore and stroke; 30.00 cu. in. piston displacement; 15/23 gear ratio. Turn key and choke button starter on electric model; drop pawl with stop button on manual starting model. Weights, 120 lbs. and 107 lbs. respectively. Forward, neutral and reverse gear shift. Speeds to 35 mph. Bail-A-Matic power bailing. Muffler with idle relief and air intake sound baffle. Price (electric) $529.95; (manual starting) $449.95.

40 HP SCOTT

40 HP at 4800 rpm. 2-cylinder model with 3⅛"x2¾" bore and stroke; 42.18 cu. in. piston displacement; 14/23 gear ratio. Remote key starter with choke installation in electric model; drop pawl with stop button in manual starting model. Weight 145 lbs. and 131 lbs. respectively. Forward, neutral and reverse gear shift and speeds to 44 mph. Bail-A-Matic power bailing. Muffler with idle relief and air intake sound baffle. Price $629.95 (electric); $529.95 (manual).

ROYAL SCOTT 40

40 HP at 4800 rpm. 2-cylinder model with 3⅛"x2¾" bore and stroke; 42.18 cu. in. piston displacement; 14/23 gear ratio. Remote key starter with choke installation. Forward, neutral and reverse gear shift. Speeds to 44 mph. Weight 145 lbs. Bail-A-Matic power bailing. Muffler with idle relief and air intake sound baffle. Price, $699.

FLYING SCOTT 60

60 HP at 4800 rpm. 3-cylinder model with 3⅛"x2¾" bore and stroke; 63.27 cu. in. piston displacement; 16/25 gear ratio. Remote ignition key starting; forward, neutral and reverse gearshift. Speeds to 50 mph. Weight 186 lbs. Bail-A-Matic power bailing. Muffler with idle relief and air intake sound baffle. Price, $950.

MONTGOMERY WARD & CO.
618 W. CHICAGO AVE.
CHICAGO 7, ILL.

SEA KING MOTOR FLEET

Eight motors including 3 electric starting models. 3 HP to 35 HP. 35 HP model, available with electric or manual starting, features 2-cylinder engine with slip-clutch propeller, gear drive, adaptable to remote control. Manual model, $445; Electric model (12 volts), $535.

MUNCIE GEAR WORKS, INC.
MUNCIE, IND.

"MIGHTY MITE" OUTBOARD MOTOR

Restyled and engineered for 1959, motor weighs only 17 lbs., and delivers 1.7 HP. Price, $94.95.

OLIVER OUTBOARD MOTORS
BATTLE CREEK, MICH.

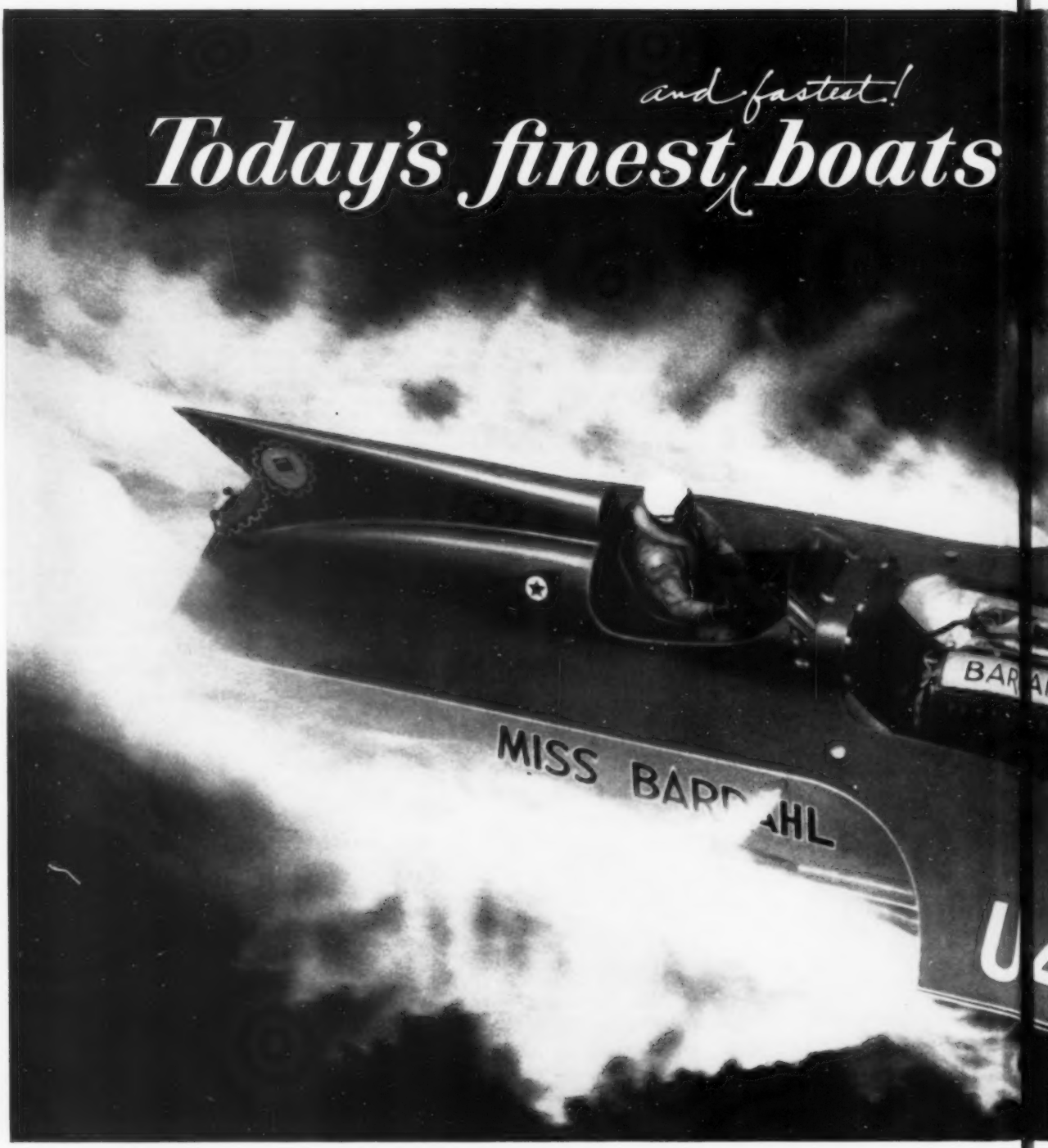
OLIVER 6

6 HP at 4500 rpm. Wt., 56 lbs. Stern Ht., 16". Manual starting with self-rewinding cord. Tilt adjustment 2-blade propeller. Bore and stroke—2x1½. Piston Disp.—9.42 cu. in. Synchronized twist grip speed control. Fuel tank is Tend-A-Matic 3½ gal. Rubber mounted shroud, rubber suspension intake baffles, spiral gears, underwater exhaust. Price, $240. Accessories—Mix-Matic 6 gal. fuel tank, slip clutch propeller.

OLIVER 16 & 16 E

16 HP at 4500 rpm. Wt., 77 lbs. and 92 lbs. respectively. Stern Ht., 15"-17". Manual-

Today's finest, and fastest! boats



Designed and built by Ted Jones, Miss Bardahl is driven by Miro Slovak. Owner: Ole Bardahl,

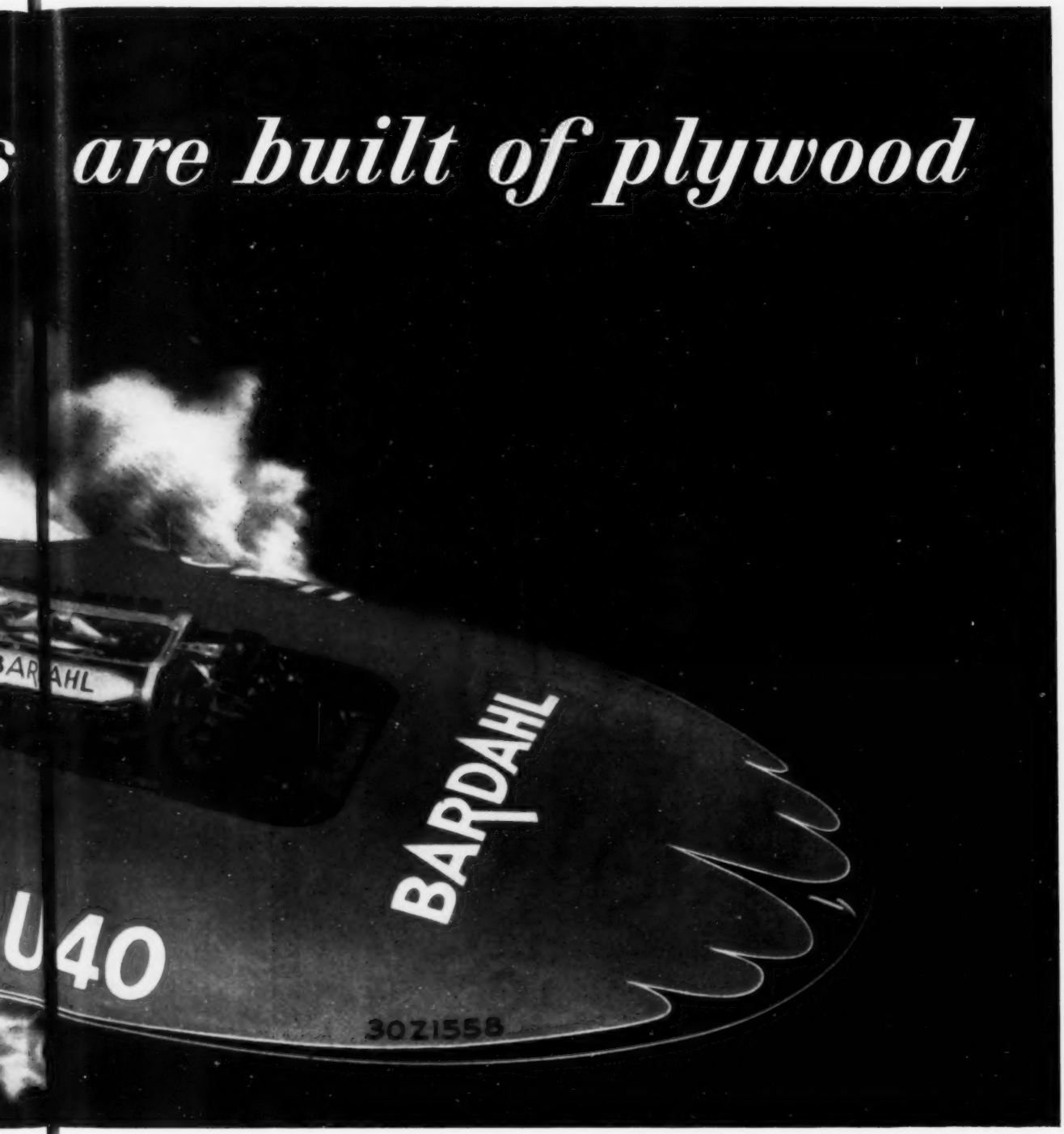
1958 Unlimited Hydroplane Champion Miss Bardahl is a well-stacked plywood lady. She thrives on fast and rough going.

UNLIMITED CLASS HYDROPLANE RACING is the ultimate test of boat design and performance. The big craft are subjected to an incredible beating as they slam into turns at top speed, wheel and fling 200-foot long rooster tails as they rocket through the straightaways at 170 m.p.h. plus.

It takes really rugged construction to stand up under this kind of punishment. That's why Miss Bardahl, 1958 Unlimited Champion, like almost all racing hydros, is built of Exterior plywood. Inside and out—hull, decking and bulkheads—the Bardahl relies on plywood to provide strength and stamina without the penalty of extra weight.

When you start thinking about *your* new boat, remember

s are built of plywood



Bardahl International Oil Corp., Seattle, producers of high-performance oil and gas additives.

the same solid plywood construction that makes Miss Bardahl a champion in her class will give you winning performance and value in yours.

See your boat dealer soon. He'll be glad to show you the lastest plywood makes and models. Take a ride and see for yourself what a difference fine plywood construction can make. You get *time-proven* performance: speed, comfort and safety—and none of the brittleness, drumming corrosion or repair problems you get with plastic or metal. And not only do you get more in a fir plywood boat, you actually pay less. Model for model, feature for feature, you can save up to 25 per cent with a boat built of Exterior fir plywood.

EXT-DFPA® MEANS QUALITY EXTERIOR PLYWOOD MADE WITH WATERPROOF MARINE GLUE

Whether you buy or build, be sure all plywood is genuine EXT-DFPA waterproof Exterior plywood. (Comes in several grades, including solid-core "Marine" grade for planking.) It's used by all reputable boat manufacturers.

DOUGLAS FIR PLYWOOD ASSOCIATION, TACOMA 2, WASHINGTON

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You'll want Cuprinol's new brochure that tells you how to protect the beauty and strength of your wood. Explains why rot is such a constant threat to your boat. Tells you in detail just where to apply a wood preservative and why it protects your resale value. Also describes ways to control checking during construction, as well as warping, swelling and grain raising. Send for your free copy today.

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starting with self-rewinding cord or electric 12 V heavy duty starter. Tilt adjustment. 9" diam/11" pitch 2-blade propeller. Piston displ., 19.94 cu. in. Bore and stroke $2\frac{1}{2}$"x$2\frac{1}{32}$"; Synchronized speed control with twist grip. Fuel tank is Mix-Matic 6 gals. Rubber mounted shroud, rubber suspension, intake baffles, spiral gears, under water exhaust. Price (manual) $380; (electric) $455. Accessories—choice of dashboard-mounted push button starter and choke or key switch, remote controls, lower unit extension, power propeller selection.

OLIVER OLYMPUS 35

35 HP at 4500 rpm. Wt., 129 lbs. Stern ht., 15"-17". Electric starting with key switch and 12 V heavy duty starter. Tilt—adjustment. 10" dia/13 pitch 3-blade propeller. Bore and stroke — $3\frac{1}{16}$"x$2\frac{7}{8}$"; Piston Disp.—42.35 cu. in. Remote Speed Control. Fuel tank is Mix-Matic 6 gals. Rubber suspension, air intake cleaner, poppet valves, spiral bevel gears, rubber-mounted shroud, underwater exhaust. Price, $640. Accessories: remote controls, lower unit extension, power propeller selection, tiller arm with twist grip throttle control.

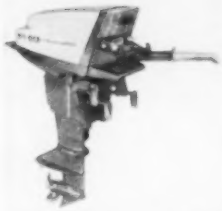
WEST BEND ALUMINUM CO.
HARTFORD, WIS.

2 HP SHRIMP

2 HP at 4000 rpm, 1 cylinder model with piston displ. of 3.76 cu. in. Bore and stroke, $1\frac{3}{4}$"x$1\frac{9}{16}$". Zerol bevel gears, 14/21 ratio. An air-cooled model with a net weight of 28 lbs., for speeds to 7 mph. Has manual rewind starter; 360-degree pivot; lever type speed control; no silencing equipment.

6 HP WEST BEND

6 HP at 4500 rpm, 2 cylinder model with piston displ. of 10.60 cu. in. Bore and stroke, 2"x1-11/16". Zerol bevel gears, 14/23 ratio. Water cooled, manual starting model with



net weight of 56 lbs., for speeds to 15 mph. Full gear shift, forward, neutral and reverse; "visi-twist" speed selector; silencing equipment. Not adaptable for remote controls.

8 HP WEST BEND

8 HP at 4500 rpm, 2 cylinder model with piston displ. of 11.97 cu. in. Bore and stroke, $2\frac{1}{8}$"x1-11/16". Zerol bevel gears, 14/23 ratio. Water cooled manual starting model with net weight of 57 lbs., for speeds up to 20 mph. Full gear shift, forward, neutral and reverse; "visi-twist" speed selector; silencing equipment. Not adaptable for remote controls.

12 HP WEST BEND

12 HP at 4000 rpm, 2 cylinder model with piston displ. of 17.72 cu. in. Bore and stroke, $2\frac{3}{8}$"x2". Zerol bevel gears, 14/23 ratio. Water cooled manual starting model with net weight of 59 lbs., for speeds up to 25 mph. Full gear shift, forward, neutral and reverse; "visi-twist" speed selector; silencing equipment. Adaptable for remote controls.

16 HP WEST BEND

16 HP at 4750 rpm, 2 cylinder model with piston displ. of

19.96 cu. in. Bore and stroke, $2\frac{7}{16}$"x2.140". Spiral bevel gears, 14/23 ratio. Water cooled manual starting model with net weight of 64 lbs. Speeds to 30 mph. Full gear shift, forward, neutral and reverse; "visi-twist" speed selector; silencing equipment. Adaptable for remote controls.

35 HP WEST BEND

35 HP at 4500 rpm, 2 cylinder model with piston displ. of 41.49 cu. in. Bore and stroke, $3\frac{1}{8}$"x2.706". Spiral bevel gears, 13/21 ratio. Water cooled model with net weight of 137 lbs. (electric model); 114 lbs. (manual model). Speeds to 39 mph. Electric model starts with key switch at remote control box; manual model has a low level rewind starter. Both models have full shift, forward, neutral and reverse, silencing equipment and are adaptable for remote controls.

40 HP WEST BEND

40 HP at 4750 rpm, 2-cylinder model with piston displ. of 42.18 cu. in. Bore and stroke, $3\frac{1}{8}$"x2.750". Spiral bevel gears, 13/21 ratio. Water cooled model with net weight of 114 lbs. Speeds to 42 mph. Manual, low level rewind starter with magneto ignition. Full gear shift, remote speed control, silencing equipment. Adaptable for remote controls.

40 HP GOLDEN SHARK

40 HP at 4750 rpm, 2-cylinder model with piston disp. of 42.18 cu. in. Bore and stroke, $3\frac{1}{8}$"x2.750". Spiral bevel gears, 13/21 ratio. Water cooled model with net weight of 137 lbs. Speeds to 42 mph. Electric starter with key switch at remote control box. Direct battery ignition and super-alternator generator. Full gear shift, remote speed control, silencing equipment. Adaptable for remote controls.

HORACIO A. VALENTE
LLAVALLOL 5287
BUENOS AIRES, ARGENTINA

YUMPA "5"

Readers in the vicinity of Latin America will be interested in a new 5 HP outboard motor which is manufactured in Argentina. The Yumpa 5 is a single cylinder, water cooled engine of 130 cm cylinder displacement, which develops 5 HP at 4000 rpm. It weighs 22 Kilos, and has a tank capacity of 4 liters. Thrust is provided by a 4 bladed prop 230 mm in diameter. All parts are interchangeable. Write for additional information.

INBOARD GAS

ALLIS-CHALMERS MFG. CO.
MILWAUKEE, WIS.

MODEL 6DAMR-273

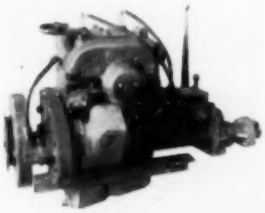
Engine is designed for use in 22-60 foot boats. Weighs under 1,000 lbs., complete with marine gear. Delivers 85 HP at 2800 rpm. Has $3\frac{3}{4}$" bore, $4\frac{1}{8}$" stroke, 273 cu. in. piston displacement.

ARNOLT CORP.
WARSAW, IND.

SEA-MITE

4 cylinder in line gas engine develops 20.2 rated HP at 2800 rpm. Produces approx. 15.8 continuous HP. Compression ratio 5.9:1; piston displacement 61 c.i. Reduction gear ratios 2:1, 3:1, 4:1. Weighs 281 lbs., with reduction gear 305 lbs. Dimensions, $16\frac{3}{8}$"x$29\frac{5}{8}$" direct drive.

BALLANTINE IND.
ABESCON, N. J.



KERMATH SEA TWIN

10 HP engine weighs 109 lbs.,

PREVENT

ROT

Control checking, warping, swelling with

CUPRINOL

One quick priming coat of Cuprinol Wood Preservative preserves the beauty and strength of the wood on your boat, avoids costly repairs, protects your resale value. Brush or spray on all parts. Also use on docks, pilings, cottages. America's best known marine wood preservative. In use since 1908. **Quart $1.75 Gallon $4.70**

BANISH

Musty odors

Keeps cabins sweet smelling. Simply wipe ODOR FREE on interior surfaces and fabrics. You immediately kill the source of musty odors for weeks AND prevent unsightly mildew. Economical – one pint mixed with water makes four quarts. **Pint $1.49 Quart $2.79**

PREVENT

Mildew

Wipe SAV-IT on canvas, leather goods, fabrics to prevent mildew – even though items are stored for months. Weatherproofs at the same time. **Quart $1.75 Gallon $4.70**

WHISK AWAY

grease

Avoid messy, slippery surfaces. Clean bilges without work. With just one ounce of GREASE OFF in a quart of water, you can quickly wipe away the grease, oil or gasoline. Pour some in the bilge and the roll of the boat does the dirty work. **Pint $ .98 Quart $1.79 Gallon $6.49**

See Your Dealer or Use This Coupon

CUPRINOL MARINE PRODUCTS
9 Hopmeadow Brook • Simsbury, Conn.

CUPRINOL WOOD PRESERVATIVE
Clear (use under stain, varnish or pastel paints) Pt. $ .98 ☐ Qt. $1.75 ☐ Gal. $4.70 ☐
Green (use on bottoms and under dark paints) Qt. $1.75 ☐ Gal. $4.70 ☐

CUPRINOL SAV-IT Qt. $1.75 ☐ Gal. $4.70 ☐
CUPRINOL GREASE OFF Pt. $ .98 ☐ Qt. $1.79 ☐ Gal. $6.49 ☐
CUPRINOL ODOR FREE Pt. $1.49 ☐ Qt. $2.79 ☐ Gal. $8.98 ☐

My name is _____
Address _____
City _____ Zone ____ State ____

☐ Enclosed is $___ Ship prepaid.
☐ Send C.O.D. plus postage.

beginning next issue!

MORE SPEED FROM YOUR BOAT AND ENGINE

by Hank Wieand Bowman

Starting with the next (March) issue, POPULAR BOATING will serialize Hank Bowman's exciting new book on how to get top power and performance from your boat.

Here's detailed advice from one of America's leading experts on boating that applies to *your* boat—no matter what the size and power plant. You'll learn why speed—used with discretion—is often synonymous with more efficiency in a power boat...how a better choice of propeller, a correction of design, or even a simple alignment of struts or shaft can mean better performance... how you can get more for the money you put into your boat. You'll find dozens of tips on tuning up and maintenance that will help you keep your boat in top shape.

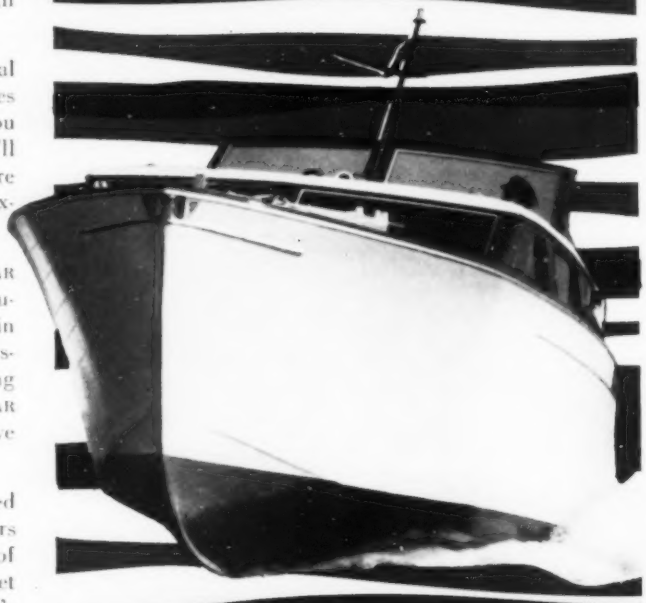
This giant full-length book bonus is typical of the expanded new editorial features POPULAR BOATING will be bringing you month after month during 1959. There'll be more reports on new equipment, more stories on boating personalities, more exclusive features on boating events.

All told, in the months ahead, POPULAR BOATING will continue to be the most authoritative and informative magazine in the field. To make expanded coverage possible and to meet today's ever-increasing publishing cost, the cover price of POPULAR BOATING will be raised to 50c, effective with the March issue.

But, subscription prices will not be raised for the time being—to allow regular readers of POPULAR BOATING to take advantage of the present low rates. So, if you're not yet a subscriber to POPULAR BOATING, now's the time to act before subscription rates, too, are increased.

CURRENT SUBSCRIPTION RATES

$4 one year **$7** two years **$10** three years



POPULAR BOATING 434 S. Wabash Ave., Chicago 5, Illinois

or 126 lbs. when equipped with reverse and reduction gears. Dimensions are 17" wide, 22⅝" long, with engine bed drilled on 11" centers. May be ordered as basic engine, or engine and reverse gear, or engine, reverse gear and 2.5 to 1 reduction gear. Also available are electric starter kit, electric generator kit and fuel pump assembly.

SEA PUP

5 HP engine weighs 75 lbs. with direct drive, and 93 lbs. with reverse and reduction gears. Dimensions are 16¼" wide, 18⅞" long, with engine bed drilled on 11" centers. Engine is available as basic unit only, or engine and reverse gear, or engine, reverse gear and 2.5 to 1 reduction gear. Also available are electric starter kit, electric generator kit and fuel pump assembly.

BRENNAN MOTOR MFG. CO.
SYRACUSE 2, N. Y.

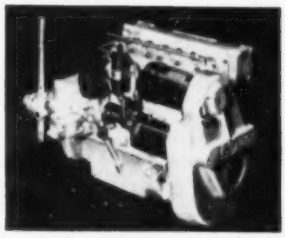
BRENNAN "IMP"

35-HP marine gasoline engine with piston displ. of 50 cu. in. 160 lbs. total weight in the direct drive model; also available with a built-in 2 to 1 reduction gear. Featured by the mfr. is the Brennan "Powerpackage" consisting of the "Imp" and an outboard drive. Other engines including the "Fisherman Four" rated at 50-75 HP, and the Deluxe Six series in sizes up to 250 HP, available.

BURMEISTER & WAIN AMERICAN CORP.
MYSTIC, CONN.

B. & W. LATHROP

30 BHP at 4000 rpm; 4-cylinder, 4 cycle gasoline marine engine; bore and stroke 2½"x 3"; piston displ. 58 cu. in. Weight 295 lbs. wet. Length 32¼", height above shaft 15 9/16", width hole centers 16", depth below shaft 7¾". Rotation for r.h. propeller. 6-volt electrical system.



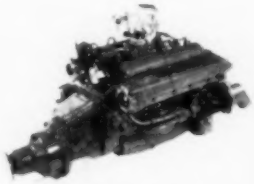
B. & W. LATHROP

155-HP at 3400 rpm; 6-cylinder, 4 cycle marine engine; bore and stroke 4"x4½"; piston displ. 339 cu. in. Weight 925 lgs. Length overall, D.D. 47"; height above shaft 17", width hole centers 16" or 22½", depth below shaft 9". Rotation for r.h. propeller. 12-volt electrical system. Other models, 130-HP, 60-HP and 30-HP.

CHRIS-CRAFT CORP.
ALGONAC, MICH.

B SERIES

4 cylinder in line gas engine. Develops 51 cruising HP at 2500 rpm, fuel consumption 4.1 gal. per hour. 60 rated HP at 3200 rpm, fuel consumption 5.4 gal. per hour. Compression ratio 6.78:1. Displacement 132.7 c.i. Either direct drive or reduction gear, ratios 2:1 and 3:1. Weight 465 lbs., with reduction gear 495 to 505 lbs. Height, 13"; length, 33 9/32". Full length water jacket. Cam ground aluminum pistons. Replaceable type bearings. Price from $820. A Series direct drive model $795.



283 SERIES

8 cylinder V-8 gas engine. Develops 167 HP at 3400 rpm, fuel consumption 10.1 gal. per hour. 185 rated HP at 4000 rpm, fuel consumption 12.6 gal. per hour. Compression ratio 8:1. Displacement 283 c.i. Either direct drive or reduction gear, ratio 1½:1 and 2:1. Weighs 660 lbs., with reduction gears 914 lbs. Height, 21 7/32", length, 39¼". Four barrel down draft carburetor with flame arrestors. 12 volt electrical system. Automatic choke. Rubber engine mounts. Price, from $1,395.

KL SERIES

6 cylinder in line gas engine. Develops 90 cruising HP at 2500 rpm, fuel consumption 6.8 gal. per hour. 105 rated HP at 3800 rpm, fuel consumption 8.9 gal. per hour. Compression ratio 7.40:1. Displacement 236.6 c.i. Either direct drive or reduction gear, ratios 1½:1 and 2:1. Weighs 695 lbs., with reduction gear, 760 lbs. Height, 14 15/32"; length, 40". Crankshaft dynamically balanced and counterweighted. High turbulence cylinder head. Large capacity oil pump. High ratio reverse gear. Price, from $1,245.

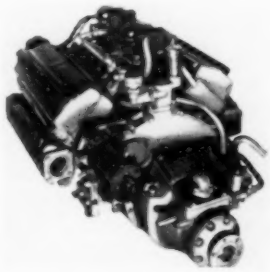
M SERIES

6 cylinder in line gas engine. Develops 110 cruising HP at 2400 rpm, fuel consumption 8.4 gal. per hour. 130 rated HP at 3000 rpm, fuel consumption 11.7 gal. per hour. Compression ratio 6.95:1. Displacement 320.4 c.i. Either direct drive or reduction gear, ratios 1½:1 and 2:1. Weighs 880 lbs., with reduction gear 950 to 970 lbs. Height, 15¾"; length, 46 3/16". Full length water jacket. Oil tempered cadmium plated valve springs. Heavy duty distributor. Price, from $1,495.

WB SERIES

6 cylinder in line gas engine. Develops 175 cruising HP at 2600 rpm, fuel consumption 10.9 gal. per hour. 200 rated HP at 3200 rpm, fuel consumption 14.8 gal. per hour. Compression ratio 6.92:1. Displacement 404.3 c.i. Either direct drive or reduction gear, ratios 1½:1, 2:1, 2½:1. Weighs 1260 lbs., with reduction gear 1350 to 1375 lbs. Height, 16⅝"; length, 53 7/16". Two updraft carburetors. Replaceable shelf type main and connecting rod bearings. Diaphragm type fuel pump. Valve rotators for exhaust valve. Price, from $2,355. Other Chris-Craft engine models also available.

CHRYSLER CORP.
MARINE & INDUSTRIAL DIV.
DETROIT, MICH.

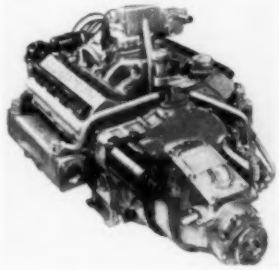


ROYAL SPECIAL M44S-3

8 cyl. Develops 155 HP at 3800 rpm. Displacement 270.0 c.i. Length overall, 41½"; width 32½". Weight 966 lbs.

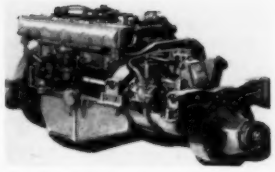
IMPERIAL SPECIAL M45S-3

8 cyl. Develops 225 HP at 3800 rpm. Displacement 354 c.i. Length overall, 45 1/16"; width 32½".



ACE M46-3

6 cyl. Develops 95 HP at 3200 rpm. Displacement 230.0 c.i. Length overall, 43⅝"; width, 22½". Weight 734 lbs. Vee drives on all models have been redesigned this year and capacity increased. Vee drives are available in 1.13, 1.42, or 2.05 to 1 reduction. Reduction gears are available in 1.43, 2.04, 2.56, 3.17 or 3.95 to 1 reduction; with four different mounting positions, up, down, left or right.



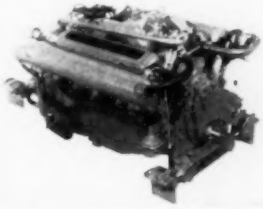
CROWN M47-3

6 cyl. Develops 125 HP at 3600 rpm. Displacement 265.0 c.i. Length overall, 45⅞"; width, 22½". Weight 814 lbs.

ACE SPECIAL M46S-3

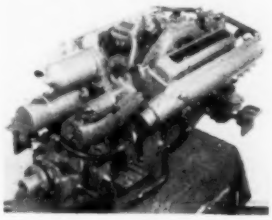
6 cyl. Develops 110 HP at 3600 HP. Displacement 230.0 c.i. Length overall, 43⅝"; width, 22½". Weight 751 lbs.

CRUSADER MARINE
25140 EASY ST., WARREN, MICH.



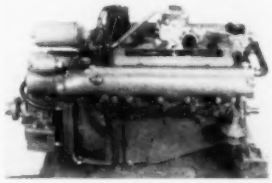
CRUSADER MARK IV

140 HP at 3800 rpm, V-firing 8-cylinder marine engine displacing 283 cu. in.; bore 3⅞", stroke 3". Compression ratio: 8:1; 12 volt electrical system. Features Warner "Velvet Drive" hydraulic transmission, a selection of reduction ratios. Price, $1,590 (direct drive model).



CRUSADER MARK V

170 HP at 4200 rpm, V-firing 8-cylinder marine engine displacing 283 cu. in.; bore 3⅞", stroke 3". Compression ratio 8:1; 12 volt electrical system. Features Warner "Velvet Drive" hydraulic transmission, a selection of reduction ratios. Price, $1,790 (direct drive model).

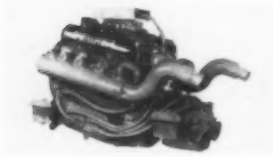


CRUSADER MARK VII

225 HP at 4600 rpm, V-firing 8-cylinder marine engine displacing 283 cu. in.; bore 3⅞", stroke 3". Compression ratio 9.5:1; 12 volt electrical system. Features Warner "Velvet

Drive" hydraulic transmission, a selection of reduction ratios. Price, $1,990 (direct drive model). Other models from 140 HP to 300 HP requiring 80, 95, and 100 octane minimum gasoline.

DEARBORN MARINE ENGINES, INC.
31465 STEPHENSON HWY., ROYAL OAK, MICH.



INTERCEPTOR ENGINES

Newest model produces 260 HP, with 361 cu. in. piston displacement. V-8 engine design, maximum use of aluminum and four-barrel "large-throat" carburetor are featured, as well as alternate intake-exhaust valve placement to contribute to engine cooling and valve life. Manufacturer also offers other Interceptor models rated at 135, 150, 170, 185 and 215 HP, all with rubber aircraft-type mounting systems, and new thermostat controls at forward ends of the engines.

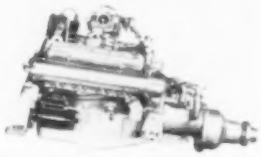
FLAGSHIP ENGINES, INC.
LYNCH COVE, BALTIMORE, MD.

FLAGSHIP V8 MODEL 150

Rated 150 HP at 3600 rpm. Compression ratio is 7.3:1, lowest and safest of all V8's. Displacement 283 cu. in. Compact: 36½"x25¼"x27" including reverse gear. Provides maximum power and safe operation on regular grades of fuel (about 80 octane). Especially suited for all day fishing.

CUSTOM COMPETITION FLAGSHIP V8 MODEL 310

Rated 310 HP at 6000 rpm. Compression ratio is 10:1, displacement 283 cu. in. Speed equipment includes a constant flow fuel injection system, light valves and valve springs, and racing cam. Offered only with direct drive manual reverse gear. The high operating speed range of this engine permits its use only with a light fast hull where superior speed performance is desired.



FLAGSHIP V8 MODEL 220

Rated 220 HP at 3000 rpm. Displacement 283 cu. in., compression ratio 7.8:1. Maximum torque 270 lbs. ft. Camshaft is designed to provide maximum power at comparatively high engine speed. Length, 36". Uses downdraft 4-barrel carburetors.

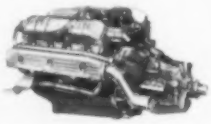
FLAGSHIP MODEL 240

Develops 240 HP at 4800 rpm. Uses high compression (9:06:1) heads and requires premium fuel (100 octane or higher). High torque (297 lbs. ft.) and high power to weight ratio make this an ideal engine for peak performance in a runabout where speed is important. Recommended for this engine: Flagship self bailing reverse gear which provides adequate lubrication for reverse gear parts and reduces oil level and power loss through the gear.

GRAY MARINE MOTOR CO.
710 CANTON AVE., DETROIT 7, MICH.

109 HP GRAYMARINE SIX

Model 109, rated 109 HP at 3400 rpm. Warner "Velvet Drive" hydraulic gears are now available on the Model 109, which also features 226 cu. in. displacement, counter-weighted crankshaft, and oil cooler as standard equipment. Prices, from $1,187 (direct drive, manual model) to $1,556 (2:1 reduction gear, hydraulic model).



NEW GRAYMARINE V-8

Two new V-8's for 1959—models rated 135 HP at 4000 rpm and 170 HP at 4400—companions to the 225 HP Fireball V-8. The new models offer 250 cu. in. displacement, oversquare 3½" x 3¼" bore and stroke, and top-of-engine servicing. Warner "Velvet Drive" hydraulic transmissions are standard on all Graymarine V-8's.

FOUR-85

Four-cylinder in line engine delivers 85 HP at 4000 rpm. Available with direct drive, it has piston displacement of 162 cu. in. Height, 21½"; length, 34½", and weight, 540 lbs. Counterweighted crankshaft and plate-type oil cooler are standard equipment. Price, $1,077.

FOUR-112

Four-cylinder in line engine has rated cruising horsepower of 31 at 2200 rpm, and piston displacement of 112 cu. in. Available direct drive or reduction gear of 2:1. Height, 19½"; length, 30½"; weight, 390 lbs., with reduction gear, 420 lbs. Price, $893 (direct drive, manual).

SEA SCOUT-91

4 cylinder in line gas engine. Develops 25 HP at 2000 rpm. Displacement 91 c.i. Available with or without reduction gear, ratio 2:1. Weight 390 lbs., with reduction gear 420 lbs. Height 19½" OA. Length 30½". Price, $819.

HURRICANE MARINE CO.
642 BEAUBIEN ST., DETROIT 26, MICH.

IMPORTED GAS ENGINES

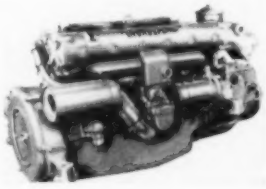
"Albin" (Swedish) Marine gasoline engines, slow speed (1600 rpm), 4-cycle models at 5-HP, 1-cyl., $395; 10-HP, 2-cyl., $435; 15-HP, 2-cyl., $535; 20-HP, 4-cyl., $825; 40-HP (faster model), 4-cyl., $915. "Boreas" (Danish) Engine, 10-HP (weight 155 lbs.), 2-cyl., 2-cycle model, $375. All prices FOB Detroit. Also accessories and fittings.

MINTREX CORP.
109 BROAD ST., NEW YORK 4, N. Y.

"SUPER" MAELSTROM 240-S

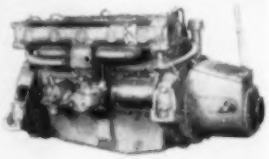
Adapting the Volkswagen engine to an outboard-type drive with a "traction" propeller and integral rudder arrangement which includes "kick-up" characteristic to lift lower unit. Engine specs as follows: Air-cooled, 4 cylinder, 4 cycle, horizontally opposed gasoline engine with bore of 3.03", stroke of 2.52", displacement of 72.74 cu. in., compression 6.6/1. Maximum output at 3,700 rpm, 36 HP. Turbine-type fan cooling system; 6 volt starter, generator. Gearbox specs: WIDO 240W reversing box, 1.45 forward; 1.03 astern. Neutral provided. Lower unit features tubular prop-guard and shear pin. All parts are fabricated of salt-water resistant alloy.

NORSEMAN MARINE
131 NEVADA STREET, OSHKOSH, WIS.



KNIGHT

6 cylinder gas engine. Develops 165 HP at 3300 rpm. Piston displacement 339.2 c.i. Weighs 902 lbs; with reduction gear 910 lbs. Height above crankshaft c.l. 15⅞". Length 45¼". Available direct drive or reduction gear ratios of 1.5:1, 2:1, and 2.5:1. Also available in V-Drive 1:1, 1.5:1, 2:1 and 3:1 ratios. Has heavy-duty "STA - NU - TRAL" reversing gear and standard or opposite rotation. 6 or 12 volt battery ignition. One of a line of marine gasoline engines.



BLUEFIN

6 cylinder gas engine. Develops 113 HP at 3300 rpm. Piston displacement 230 c.i. Weighs 714 lbs.; with reduction gear 768 lbs. Height above crankshaft c.l. 14-13/16". Length 40⅜". Direct drive or reduction gear. Ratios of 1.5:1 and 2:1. Available with hydraulic or manual reverse gear and standard or opposite rotation. Also available in V-Drive 1:1, 1.5:1, 2:1 and 3:1 ratios. 6 or 12 volt battery ignition. One of a line of marine gasoline engines.

ELF (Y070)

4 cylinder gas engine. Develops 25 HP at 3200 rpm. Piston displacement 65 c.i. Drive direct. Weighs 289 lbs. Height above crankshaft c.l. 13". Length 26¾". 6 volt battery ignition. One of a line of marine gasoline engines.

PALMER ENGINE CO.
COS COB, CONN.

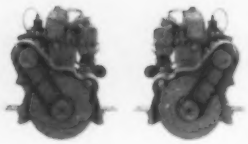
PW 23

Single cylinder water cooled engine develops 7 HP at 2600 rpm. Weight, 150 lbs. Also available: IH-60, 4-cylinder engine that develops 22 HP at 3000 rpm, and IH-134, 4-cylinder 60 HP engine that develops full power at 3200 rpm. IH-60 weighs 350 lbs., IH-134 weighs 460 lbs. Six-cylinder IH-308 develops 150 HP at 3400 rpm, and weighs 925 lbs. IH-V-461, a V-8 engine, develops 250 HP at 3600 rpm, and weighs 1600 lbs.

IH 240

Six cylinder in-line engine develops 120 HP at 3400 rpm. Weight, 850 lbs. Available in true pairs that provide opposite rotation with all mani-

Unique! Two safety signals in one inspired design!
SEAFLITE
HORN AND BOW LIGHT
Imagine this beauty on your bow! Smart as a sports car, it combines bow light and horn in one eye-stopping design. It's practical, too, does the work of two — even three fittings, with the optional flagstaff as part of the design. More, the special base elevates it from the deck for maximum visibility. Your Seaflite dealer has it now!
IT'S A BOW LIGHT elevated from deck for top visibility
IT'S A HORN— high-volume dual electric horn unit
IT'S A FLAGSTAFF —slotted for mounting the pennant
CONCAVE BASE—fits king plank and all deck contours
Horn-Bow Light $18.95
Flagstaff $3.25
ATTWOOD BRASS WORKS
303 Douglas Street
Grand Rapids, Michigan



folding mounted symmetrically, and in Spacemaker inclined model.

264

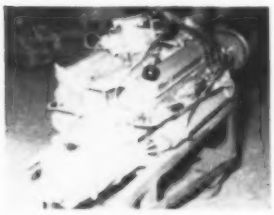
Six-cylinder in-line engine develops 135 HP at 3400 rpm. Weight, 850 lbs. Also available in true pairs that provide opposite rotation with all manifolding and accessories mounted symmetrically, and in Spacemaker inclined model.

SEA-BREEZE MARINE DIV., OF WORLD WIDE AUTO. CORP.
49-12 NEWTON RD., LONG ISLAND CITY, N. Y.

VW SEABREEZE

Air cooled, 4 cylinder, 36 HP Marine adaptation of the Volkswagen gasoline engine, featuring "pancake" opposed firing arrangement, and a turbine type fan cooling system. Bore and stroke, 3.032"x 2.52"; compression 6.6:1, 72.74 cu. in. displacement. Dimensions of unit, 31¼" long, 29⅜" wide, 26½" height; mounting centers 12¾". The "Seabreeze" is recommended by the manufacturer for runabouts, skiffs and cruisers from 15' to 21".

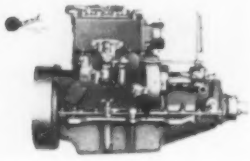
STAR MARINE ENGINE WORKS
BERKELEY 10, CALIF.



EMPEROR V8 MARINE ENGINE

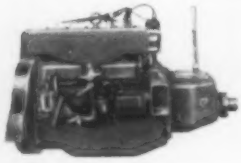
Pontiac V8 conversion plus Model 4-25; 2⅝"x3" bore and stroke; 25-HP at 3800 rpm . . . Model 4-55; 3¼"x4" bore and stroke; 55-HP at 3200 rpm . . . Model 6-95; 3 7/16"x4⅛" bore and stroke; 95-HP at 3200 rpm . . . Other models available. Also diesel engines and conversion parts.

UNIVERSAL MOTOR CO.
551 UNIVERSAL DR., OSHKOSH, WIS.



BLUE JACKET TWIN (AFTL)

2 cylinder gas engine. Develops 12 HP at 2200 rpm. Piston displacement 50 c.i. Weighs 336 lbs. Height above crankshaft 15 11/16". Length 28⅛". 6 volt battery ignition. One of a line of marine gas engines up to 155 HP—with magneto and battery ignition, direct and reduction gear drives.

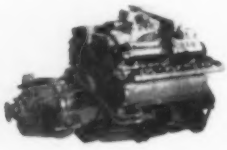


UNIMITE FOUR (HFR)

4 cylinder gas engine. Develops 70 HP at 3500 rpm. Piston displacement 141 c.i. Reduction gear ratio 2:1. Weighs 400 lbs. Height above crankshaft c.l. 14¾". Length 36-15/16". 6 or 12 volt battery ignition. One of a line of marine gas engines up to 155 HP—with magneto and battery ignition, direct and reduction gear drives.

UTILITY FOUR (BNM)

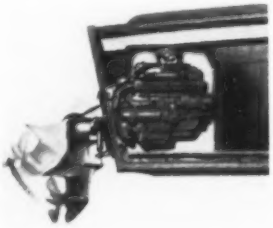
4 cylinder gas engine. Develops 25 HP at 2200 rpm. Piston displacement 95 c.i. Drive direct. Weighs 345 lbs. Height above crankshaft c.l. 15". Length 34". Magneto ignition. One of a line of marine gas engines up to 155 HP—with magneto and battery ignition, direct and reduction gear drives.



NORSEMAN "V-KING"

275 HP (at 3600 rpm) V-8 engine. Weighs 939 lbs. in the direct drive model. Piston displacement, 430 cu. in.; compression ratio, 7.5 to 1. Dimensions, 46-11/16"x31½"x 30⅞". Reduction gear ratios of 1.5 to 1 and 2 to 1 are available.

VOLVO DISTRIBUTING, INC.
1564 LEMOINE AVE., FORT LEE, N. J.

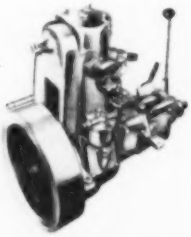


VOLVO AQUAMATIC

A Volvo marine power combination of inboard and outboard components. Unit is designed to fit existing outboard boats without altering basic design (no need of special engine bed, stringers, stuffing box or shaft). 80 HP, 4-cycle marine engine built for sustained high speed operation; consumes 1.9 gallons fuel per hour. Drive unit features "outboard tilt protection." Any type standard steering device may be used and a full instrument panel is available from the builder. Aquamatic has full gear shift, forward, neutral and reverse, with a reduction gear ratio of 1.6 to 1. Full output of 80 HP is at 4,500 rpm. Unit is built for maximum corrosion resistance with stainless steel and nylon used where applicable.

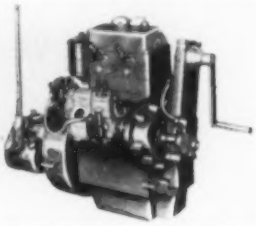
DIESEL

BERGBOLAGEN
HURRICANE MARINE CO.,
642 BEAUBIEN ST., DETROIT 26, MICH.



6-BHP BERG SKANDIA

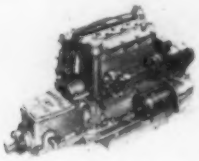
6-HP, 1-cylinder, 4-cycle marine diesel engine, type VLD-5, made in Sweden. 34 cu. in. displ., 19:1 compression ratio. Features low fuel consumption, convenient starting by raised crank, and fully enclosed reversing gear. Price FOB Detroit, $723 (with reverse gear and direct drive), $843 (with reverse and 2:1 reduction gear).



17-BHP BERG SKANDIA

17-HP, 2-cylinder, 4-cycle marine diesel engine, type 2 FD 25, made in Sweden. Bore and stroke, 3.54"x4.33"; cubic capacity, 85.4 cu. in.; 18.5:1 compression ratio. Gross weight with red. rev. gear, 893 lbs. Price, FOB Detroit, $1,575 (direct drive), $1,635 (2.3:1 reduction gear model).

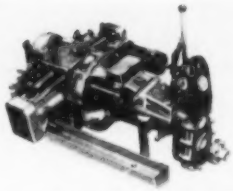
BRENNAN MOTOR MFG. CO.
SYRACUSE 2, N. Y.



BRENNAN DIESEL

415 cubic inch marine diesel 6-cylinder engine. Full details on request.

COVENTRY VICTOR MOTOR CO., LTD.
COVENTRY, ENG.

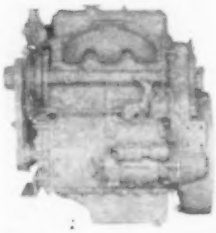


VICTOR VIXEN

Horizontally opposed, twin cylinder, marine diesel engine, model H.D.W., developing 14 belt horse power at 1250 rpm, 17 BHP at 1500 rpm, and 22 BHP at 2000 rpm. Crankcase fabricated of non-corrosive aluminum alloy; pistons of aluminum "Y" alloy. Cold starting type; gear type oil pump and C.A.V. fuel injection. Fuel consumption approx. 0.39 Imperial pint per BHP/hour. Other lightweight marine diesel engines from 3 BHP, both air-cooled and water-cooled.

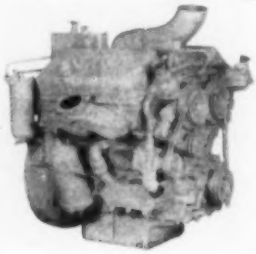
MFR., Coventry Victor Motor Co., Ltd., Coventry, Eng., with agents in Canada, Bermuda and the British West Indies.

DETROIT DIESEL ENGINE DIVISION
GENERAL MOTORS CORPORATION
13400 W. OUTER DR., DETROIT 28, MICH.



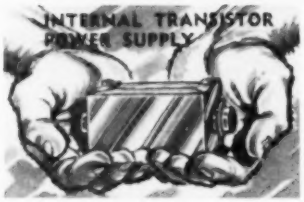
GM 3-53

One of a new line of General Motors diesels designed for compactness and light weight. Develops 75 HP at 2,200 rpm; weight, 890 lbs., or 11.9 production lbs./max. HP. Displ., 53 cu. in.; bore and stroke, 3⅞"x4½". GM's 53 series, new for 1959, has been designed especially for pleasure craft and small work boats. Engines rated at 45 HP (weight 740 lbs.) to 190 HP (weight 1,340 lbs.) are available in 2, 3, 4 (in-line) and 6 ("V") cylinder models.



GM 6V-53

A new "V" 6 cylinder General Motors diesel designed for



You can buy the *impossible* for 275^{00}

The whole idea of **PORTA MARINE IV** was considered impossible: a transistorized small-boat radio telephone packed into a tiny fiberglass case that would pack a 22-watt wallop and not drain a battery.

Aerosonic Marine, Inc. did it. And the price is $275.00* complete, including antenna, crystals, press-to-talk microphone, ground plate, carrying handle for convenience, all-transistor broadcast-marine receiver and powerful transmitter.

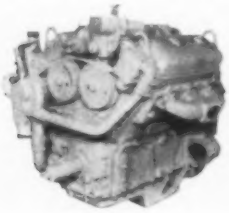
There is nothing else to buy and the shockproof unit comes ready to install—easily. **PORTA MARINE IV IS FCC TYPE ACCEPTED.**

Available through your marine dealer; made by Aerosonic Marine, Inc., Clearwater, Florida. Write for name of nearest franchised **PORTA MARINE IV** dealer.

Porta Marine IV

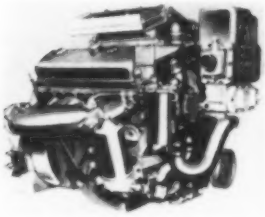
*Credit terms available. Price slightly higher in some areas.

compactness and light weight. Develops 190 HP at 2,800 rpm; weight 1,340 lbs., or 7.1 production lbs./max. HP. Displacement 53 cu. in.; bore and stroke, 3⅞"x4½". Other models in in-line, and "V" engines from 20 to 1,650 HP available.



GM 6V-71

A new "V" firing diesel rated at 241 HP at 2,300 rpm. Displacement, 71 cu. in.; bore and stroke, 4¼"x5". Weight, 1,855 lbs.; 7.7 production lbs./max. HP.



GM 8V-71

New "V" firing diesel rated at 321 HP at 2,300 rpm. 8-cylinder model with 71 cu. in. displacement, bore and stroke, 4½"x5". Weight, 2,305 lbs.; 7.2 production lbs./max HP. Many other models available from 20 HP to 1,650 HP.

GRAY MARINE MOTOR CO.
710 CANTON AVE., DETROIT 7, MICH.

FOUR D129

4 cylinder, 4-cycle diesel gas engine. Develops 25 HP at 2000 rpm. Displacement 129 c.i. Available with or without reduction gear, 1.5:1 and 2:1. Weight 656 lbs. with reduction gear. Height 28½". Length 44¾". Fresh water cooling standard. Price, $2,700.

FOUR D 157

4 cylinder, 4-cycle diesel engine. Develops 30 HP at 1800 rpm. Displacement 157 c.i. Available with or without reduction gear, wide range of ratios. Weight 1,100 lbs. with reduction gear. Height 32". Length 50". Fresh water cooling standard. Hydraulic reverse available. Price, $2,640.

130 HP GRAYMARINE DIESEL

Lightweight Graymarine Diesel Six-D427, rated 130 HP at 2,400 rpm. Designed especially for pleasure cruisers, utility and work boats. Four cycle, 427 cu. in. model. Weight, 1,475 lbs. with gear. Gray fresh water cooling is standard.

SIX D572

6 cylinder, 4-cycle diesel engine. Develops 150 HP at 2400 rpm. Displacement 572 c.i. Available with or without reduction gear, wide range of ratios. Weight 2510 lbs. with reduction gear. Height 40½". Length 69". Fresh water cooling standard. Hydraulic reverse available. Price, $5,305.

SIX-D802

6 cylinder, 4-cycle diesel has rated HP of 190 at 2200 rpm. compression ratio of 14.7:1 and piston displacement of 802 cu. in. Available with reduction gear ratios of 1.5:1, 2:1, 2.5:1, 3:1, 4:1 and 4.4:1, manual and hydraulic. Fresh water cooling system is standard. Dimensions, 43¼"x78"; weight with reduction gear, 3000 lbs.

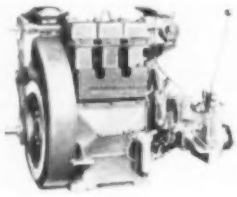
LISTER-BLACKSTONE, INC.
42-32 21st ST.
LONG ISLAND CITY 1, N. Y.

HA2M

Air cooled 2 cylinder in line diesel. Develops 20 HP at 1800 rpm. Compression ratio 12:1. Available with or without reduction gear, ratios 2:1 and 3:1. Height, 35¼", length, 44". Weighs 670 lbs., with reduction gear, 750 lbs.

HA3M

Air cooled 3 cylinder in line diesel. Develops 30 HP at 1800 rpm. Compression ratio 17:1. Available with or without reduction gear, ratios 2:1 and 3:1. Height, 35¼", length, 50". Weighs 760 lbs., with reduction gear, 840 lbs.



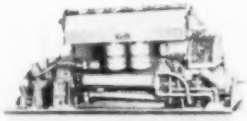
SLM 3

Air cooled 3 cylinder in line diesel. Develops 12¾ HP at 1800 rpm. Compression ratio 20:1. Available with or without reduction gear. Height, 28", length, 35". Weight 470 lbs., with reduction gear, 540 lbs.

MODELS HA3MGR & HA2MGR

Two air cooled, 4 stroke, diesel engines develop 30 BHP and 20 BHP respectively at 1800 rpm. Features include cooling by impeller integral with the flywheel with a fan shroud and ducting arrangement to circulate air through deep fins on each cylinder barrel, permitting engines to operate in ambient temperatures up to 130°F without detrimental effect. Hand starting can be effected from flywheel, and a rotary pump situated below the oil level supplies oil under pressure to all crankshaft bearings, gear train and valve rocker gear. An intermediate model SL3MGR is available with a rating of 12¾ BHP at 1800 rpm.

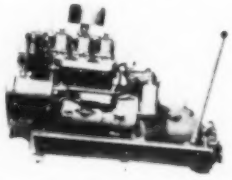
MURPHY DIESEL
5317 W. BURNHAM ST.
MILWAUKEE 14, WIS.



MODEL CBD-243

Murphy Diesel marine propulsion engines are built in 26 sizes from 96 to 243 HP. Model CBD-243 is shown. Available with a selection of reverse and reduction gears, and a wide range of front-end power takeoffs.

ORENDA INDUSTRIAL, INC.
34-14 58th ST.
WOODSIDE 77, N. Y.



PETTER 15-BHP DIESEL

Petter PC3RMR 15-HP marine diesel engine operates at 3,000 rpm and is air cooled. Other models, including a 6 HP air cooled engine and various water cooled marine engines also available.

STAR MARINE ENGINE WORKS
BERKELEY 10, CALIF.

EMPEROR MARINE DIESEL ENGINES

Model 4D50; 3⅝"x4" bore and stroke; 50-HP at 3000 rpm. Four other marine diesel engines the most powerful of which is Model 6D260; 5¾"x6" bore and stroke; 260-HP at 2100 rpm. Also gas engines and conversion parts.

VOLVO IMPORT, INC.
MARINE ENGINE DIV.
452 HUDSON TERRACE,
ENGLEWOOD CLIFFS, N. J.

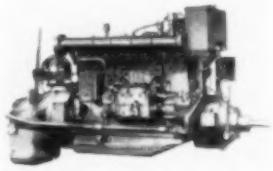
VOLVO-BOLINDER DIESELS

Four models of Volvo-Bolinder diesel marine engines, specifications as follows: **1051-BR**, 11.5-HP; bore and stroke 4⅛" x5⅛"; 1-cylinder; piston displ. 68.4 cu. in.; 1500 max. rpm; 40" long, 22" wide, 36" high; weight 1050 lbs. . . . **1052-BR**, 23-HP; bore and stroke 4⅛"x5⅛"; 2-cylinder; piston displ. 136.8 cu. in.; 1500 max. rpm; 46" long, 24" wide, 36" high; weight 1325 lbs. . . . **1053-BR**, 35-HP; bore and stroke 4⅛"x5⅛"; 3-cylinder; piston displ. 205.2 cu. in.; 1500 max. rpm; 70" long, 25" wide, 40" high; weight 1740 lbs. . . . **1054-BR**, 46- to 50-HP; bore and stroke 4⅛"x5⅛"; 4-cylinder; piston displ. 273 cu. in.; 1500 to 1800 max. rpm; 67" long, 25" wide, 45" high; weight 2100 lbs.

WAUKESHA MOTOR CO.
WEST ST. PAUL AVE.
WAUKESHA, WIS.

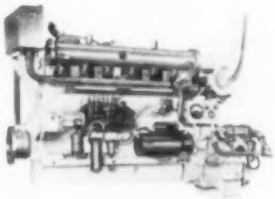
CUTWATER

Available as turbocharged or normal diesel. Turbocharged model cruises 120 hp at 2000 rpm, using 7.3 gallons per hour, and has rated horsepower of 185 at 2800 rpm, with fuel consumption of 13.9 gallons per hour. Normal diesel has cruising horsepower of 100 at 2000 rpm, using 6.3 gallons per hour, and has rated horsepower of 147 at 2800 rpm with fuel consumption of 11.4 gallons per hour. Both models are 6-cylinder in-line engines with compression ratio of 17.5:1. Piston displacement is 426 c.i. Reduction gear ratios to 4:1. Weight of normal diesel is 1,385 lbs., not including reverse or reduction gears and turbochargers.



VIGILANT

Available as turbocharged or normal diesel. Turbocharged model has 195 cruising hp at 1800 rpm with fuel consumption of 13.3 gallons per hour. Rated 280 hp at 2100 rpm, consuming 21 gallons per hour. Normal diesel model has cruising horsepower of 150 at 1800 rpm, with fuel consumption of 10 gallons per hour, and rated horsepower of 200 at 2100 rpm using 16.2 gallons per hour. Both models have six in-line cylinders and compression ratio of 17.5:1. Piston displacement is 779 c.i. Reduction gear ratios to 4:1. Weight of normal diesel type is 2,420 lbs., not including reverse or reduction gears and turbochargers.



RESOLUTE

Available as turbocharged or normal diesel. Turbocharged model has cruising horsepower of 290 at 1600 rpm, with fuel consumption of 17.3 gallons per hour, and rated horsepower of 400 at 1800 rpm using 21 gallons per hour. Normal diesel model has cruising horsepower of 195 at 1600 rpm with fuel consumption of 13.5 gallons per hour, and rated horsepower of 258 at 1800 rpm,

The day the "Sneaky Pete" rubbed noses with a yacht

The "Sneaky Pete" didn't mean to behave badly in public, but her skipper wasn't thoroughly acquainted with the rules of the road. He forgot that when crossing he must give the right of way to boats on his starboard. For safety afloat, it's important to know who has the right of way in all circumstances.

And for power, pleasure, and economy, use Esso Marine Gasoline . . . with Marnol to assure smooth performance under any condition. You can count on it for quick starts and fast warm-ups. It keeps tanks and fuel lines cleaner and improves valve action, thereby allowing more efficient operation. So for "Happy Cruising" in any season see your Esso Marine Dealer. He's your boat's best friend!

Esso

ESSO MARINE GASOLINE...WITH MARNOL®

For inboards and outboards..."ESSO RESEARCH works wonders with oil"

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EXTRUDED ALUMINUM SHAPES
for Better Boating!

Beauty, durability and positive labor-saving application have been skillfully engineered into the extensive selection of shapes which bear the Bon Voyage trademark. The William L. Bonnell Company maintains a complete designing and engineering service and special problems, designs, and suggestions for cabin windows, windshields and numerous other applications are available.

Alumarine FINISH is a weather-resistant finish providing proven protection against water, sun, wind, spray, fog and salt air.

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The William L. Bonnell Company • Newnan, Georgia

For Power Afloat keep your Battery
charged

Marine Charger has DUAL charging rate. Set timer for desired period of normal charge rate after which charger automatically drops to trickle charge rate until disconnected days or weeks later. Available for 6 or 12-v. batteries.

Charge-a-Pack is combination battery carrier and charger, stores battery connected to charger. Connect battery cables to motor or lights when afloat. Plug into 110-volt outlet when ashore. Keeps battery charged.

Electric Service Systems, Inc.
1330 N.E. Quincy Minneapolis Minn.

BE SAFE AT SEA with Randy

THE Randy BOATSHU
THE BOATSHU WITH GRIP-DECK ACTION
for MEN • WOMEN • BOYS and LI'L SAILORS

TUB 'EM SCRUB 'EM THEY'RE WASHABLE
CLEAN The special is designed lightweight sole will not pick up dirt
COMFORT Randys are arch cushioned to give that buoyant feeling
SAFETY Squeegee action of P.T.A. sole holds you firm on slippery decks

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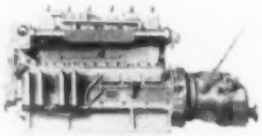
RANDOLPH, MASS.
QUALITY BY Randy

using 16 gallons per hour. Both models are 6-cylinder in-line engines having compression ratio of 17.5:1 and piston displacement of 1197 c.i. Reduction gear ratios to 4:1. Wt. of normal diesel is 3,850 lbs., not including reverse or reduction gears and turbochargers.



DEFENDER

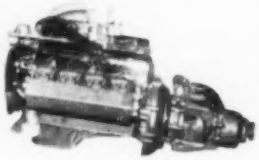
Available as turbocharged or normal diesel. Turbocharged model cruises 555 hp at 1200 rpm, using 35 gallons per hour, and has rated horsepower of 700 at 1200 rpm, using 44 gallons per hour. Normal diesel model cruises at 335 hp at 1200 rpm, using 24.2 gallons per hour, and has rated horsepower of 415 at 1200 rpm, with fuel consumption of 33 gallons per hour. 6-cylinder in-line engines have compression ratio of 17.5:1, piston displacement of 2894 c.i., and reduction gear ratios to 3:1. Weight of normal diesel type is 10,200 lbs., not including reverse or reduction gears and turbochargers.

RELIANCE

Available as turbocharged or normal diesel. Turbocharged model cruises at 990 hp at 1200 rpm with 68.7 gallons per hour fuel consumption, and has a rated horsepower of 1235 at 1200 rpm, using 94.3 gallons per hour. Normal diesel has cruising horsepower of 665 at 1200 rpm with fuel consumption of 48 gallons per hour, and rated horsepower of 820 at 1200 rpm using 65.9 gallons per hour. Both are 12-cylinder V models with compression ratio of 17.5:1. Piston displacement is 5788 c.i. Reduction gear ratios to 3:1. Weight of normal diesel type is 15,500 lbs. not including reverse or reduction gears and turbochargers.

CONVERSIONS

BARR MARINE PRODUCTS CO.
2700 E. CASTOR AVE.,
PHILADELPHIA 34, PA.



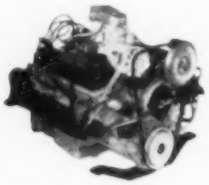
LINCOLN, EDSEL, MERCURY KIT

Marine engine conversion kit for Lincoln V8 (1958 & 59) and all models Edsel and Mercury. Kit consists of water cooled exhaust manifolds; water pump assembly; water lines and fittings; water outlet plates; front and rear engine mounts; flame arrestor; Vee belts for pump and generator; hot air collars for automatic choke; crankcase breathers.

CHEVROLET IMPALA

Chevrolet kit, Ford kit, and others for many automobile engines, plus reverse and reduction gears (manual and hydraulic adaptations).

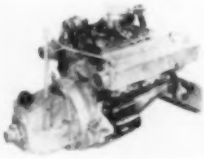
FEDERAL MARINE MOTORS CO.
9011-13 COTTAGE GROVE AVE.,
CHICAGO 19, ILL.



180 HP PONTIAC V8

Marine conversion kits for most modern, high powered automotive engines, also hydraulic transmissions. Thermostatic control is standard equipment on all Federal Marine Conversion equipment. All motors and conversion parts are designed for salt water use.

LEHMAN MFG. CO.
972 BROAD ST.
NEWARK 2, N. J.



ENGINE CONVERSIONS—CHEVROLET V-8

Converts to a compact, light, rugged and dependable marine power plant. The "Corvette" model with two 4-barrel carburetors develops 245 HP at 5000 RPM. With single 4-barrel carburetion it develops 220 HP at 4800. A single 2-barrel carburetor engine is available which gives 185 HP at 4600 RPM. Kits are adaptable to any of these engine models. Both hydraulic and manual type reverse gears available with reduction ratios up to 3:1. Price, $165.

FORD 4 CYLINDER OHV MODEL

Available in a 134 cu. in. model for heavy duty and work boat use. This model when rotating 2800 RPM develops 48 HP. A 172 cu. in. model develops 61 HP at 2800 RPM. Manual and hydraulic reverse gears with various reductions available. Conversions also offered for the earlier L-Head Ford 4 cylinder tractor engine. Price, $110.

FORD THUNDERBIRD & MERCURY V-8

Available in a variety of piston displacements, but have same physical dimensions and approximate weights. Maximum horsepowers of 132 to 255 HP. Models with same features offered for Lincoln en-

The only complete line of modern MARINE PUMPS

A pump for every purpose in every size and type of boat

PAR

Where PERFORMANCE counts, it's PAR—best by far!

LIFETIME TROUBLE-FREE SERVICE • All brass and neoprene. Only one moving part, nothing to wear.
SUPER EFFICIENT • Deliver more water with less effort than any other pumps. Friction-free plunger.
ALWAYS READY, NO COAXING • Full suction on first stroke every time. No priming, no tinkering.
OPERATE IN ANY POSITION • Mount at any angle in most convenient location in boat.

THE INCOMPARABLE PAR UTILITY PUMPS

"HANDY BOY" OUTFIT

The BOY that does more than a man's job! Drains engine crankcase through dipstick hole, fills stove tanks, scavenges water lines, dries bilges, transfers fuel. *PUMPS AIR, TOO*—inflates and deflates mattresses, blows out fuel and oil lines.

11¼" long, 1¼" cylinder.

No. 3799 • $7.25

Includes: 2 neoprene hoses ½" I.D. x 36", semi-rigid draw tube ¼" x 25", semi-rigid draw tube ⅜" x 25", neoprene intake adapter boot and tube connectors, plastic bag for shipshape stowage of pump and all fittings. Wt. 2 lbs.

Pump only No. 3647 • $4.50

"LITTLE PAL" Utility Pump

A smaller version, 9½" long, for many uses in home, car or boat. Ideal for fishermen and duck hunters—it fits in tackle box. With 24" hose and draw tube, in plastic stowage bag. Wt. 1 lb.

No. 4060, brass cylinder • **$4.25**
No. 4050, steel cylinder • **$3.50**

Two sturdy HAND BILGE PUMPS, built to last. All brass and neoprene—no light-weight plastics.

"SEA MATE" UNIVERSAL

20¼" long. 7 strokes per gallon. Non-clog foot strainer. Wt. 3¼ lbs.

No. 3670 • $11.00

"EVER-READY"

16½" long. 15 strokes per gal. Includes 5-foot neoprene hose and stowage bag. 2 lbs.

No. 3760 • $6.75

GALA GALLEY & LAVATORY PUMPS

BEST PERFORMING of all Galley and Lavatory Pumps at HALF THE PRICE OF ANY OTHER!

The easy-action pumps that respond instantly with *no priming*, ever! 9 strokes per quart.

Simplest of all galley pumps to install, either as original equipment or as replacement for older pumps in need of expensive repairs.

Available with either Angled or Straight Intake for most direct connection to supply line.

LOW SPOUT, 3½" long, 1⅛" rise. Wt. 1¾ lbs.
No. 4180, Angled Intake • $10.00
No. 4185, Straight Intake • $ 9.60

HIGH SPOUT, 4¾" long, 3" rise. Wt. 2 lbs.
No. 4205, Angled Intake • $11.90
No. 4200, Straight Intake • $11.50

SWING SPOUT, 4¾" long, 4½" rise. Wt. 2½ lbs.
No. 4270, Angled Intake • $15.00
No. 4265, Straight Intake • $14.60

New Amazing "CAN TOP" Models

"SUPAR SUCKER" Cleanout Suction Pump

This versatile suction pump drains engine crankcases, dries bilges, drains water lines for winter lay-ups. **Discharges directly into closed can—no dripping or mess.** All brass and neoprene, not affected by oil or gasoline.

Comes complete with suction hose and two semi-rigid draw tubes.

No. 4368 • $7.50

"SUPAR FUEL-ER" Liquid Transfer Pump

Pumps fuel direct from can to outboard tanks without splashing, even in rough waters. For cruisers: Fills engine crankcases, stoves, etc.

No. 4404 • $7.50

Get 2½-gal. or 5-gal. cans at marine or automotive stores or gas service stations.

For the complete PAR line of **BILGE PUMPS** in all sizes, see your marine dealer, or write . . .

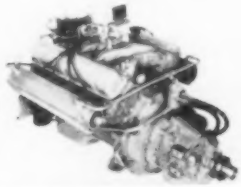
PETERS AND RUSSELL, INC.
517 W. Liberty St., Springfield, Ohio

PAR

gines up to 300 HP. Conversions also available for all L-head engines, 1932 to 1953. Manual and hydraulic reverse and reduction gears (ratios up to 3:1) available for all engines. Price, $170.

4 & 6 CYLINDER FORD

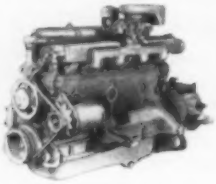
A conversion kit for the English built Ford Diesel. Engine develops 96 HP at 2250 RPM from a displacement of 330 cu. in. Features include fresh water cooling throughout including exhaust manifold, 12 volt electrical system for faster cold weather starting, replaceable wet type cylinder liners, etc. Universal availability of parts. Reverse gears available in manual or hydraulic types, both right and left hand rotations, with reduction ratios up to 4:1. The 4 cylinder model develops 60 HP at 2250 RPM from a displacement of 220 cu. in., and in design is almost identical to the 6 cylinder model already described.



LINCOLN, MERCURY, & EDSEL V8

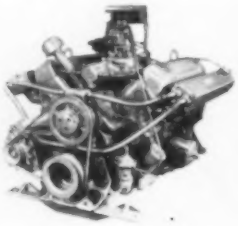
The Mercury "Super-Marauder" develops 400 HP at 4800 RPM and has a piston displacement of 430 cu. in. It is the largest of the Lehman engines. The Lincoln gives 375 HP with the same displacement. All models have large oversize exhaust passages to prevent back pressure, long life water pump, and "Velvet Drive" hydraulic reverse and reduction gears (ratios of up to 4:1 available). The Edsel has a maximum HP of 345. Price (all models), $195.

OSCO MOTORS CORP.
PHILADELPHIA, PENNA.



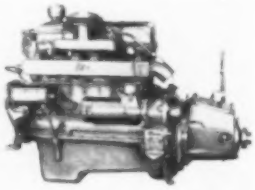
OSCO-FORD 6130

85 HP at 2800 rpm, using 5.6 gallons per hour. 142 HP at 4000 rpm, using 8.7 gallons per hour. 6 cylinder in-line engine has 7.8:1 compression ratio and piston displacement of 223 c.i. Available direct drive or reduction gear ratios of 1.5:1, 2:1 and 3:1. Height, 29¾", length, 46¼" to 53¾", weight, 668 lbs.; with reduction gear, 699 to 748 lbs. Has overhead valves, "Circuit-Flo" preheating manifolding, unitized ball bearing water pump. Price, $1,041.80.



OSCO-FORD 8155

105 HP at 2800 rpm, using 6.6 gallons per hour, 160 HP at 4000 rpm, with fuel consumption of 9.9 gallons per hour. 8 cylinder V engine has compression ratio of 7.2:1 and piston displacement of 272 c.i. Direct drive or reduction gear ratios of 1.5:1, 2:1, 2.5:1 and 3:1. Height, 30⅛"; length, 42½" to 50⅛", weight 801 lbs., with reduction gear, 845 to 891 lbs. Features overhead valves, high ported "Circuit-Flo" preheating manifolding, hydraulic reversing gear optional, unitized single ball bearing water pump. Price, $1,183.

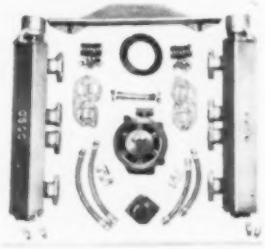


OSCO-FORD 4DF

45 cruising HP at 2250 rpm with fuel consumption of 1.4 gallons per hour. Rated horsepower of 64 at 2400 rpm, with 2.2 gallons per hour fuel consumption. 4 cylinder in-line engine has compression ratio of 16:1 and piston displacement of 220 cu. in. Available direct drive or reduction gear, with reduction gear ratios of 1.5:1, 2:1, 2.5:1, 3:1 and 4:1. Weight is 769 lbs., weight with reduction gear, 779-1056 lbs. Height, 34⅞", length, 44 to 51⅞". Features include overhead valves; integrated fresh water cooling system; hydraulic reversing gear and opposed rotation optional. Price, $2,032.25.

OSCO-FORD 6DF

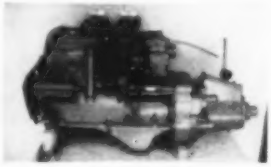
Delivers 65 HP at 2000 rpm, using 2.3 gallons per hour, and rated 96 HP at 2250 rpm, using 3.4 gallons per hour. Height, 34⅞"; length, 52" to 59⅞"; weight, 869 lbs., weight with reduction gear, 789-1159 lbs. 6 cylinder in-line engine has 16:1 compression ratio and piston displacement of 330 cu. in. Available direct drive or reduction gear; reduction gear ratios of 1.5:1, 2:1, 2.5:1, 3:1 and 4:1. Features overhead valves, integrated fresh water cooling system, hydraulic reversing gear; opposed rotation optional. Price, $2,350.



OHV FORD V8 CONVERSION KIT

One of the many kits or parts assemblies for all popular Ford engines either L-head or overhead valve types. Parts may be purchased in kit form or individually. Price of complete average kit, $165.

STOKES MARINE SUPPLY CO.
505 E. CHICAGO ST.
COLDWATER, MICH.



INBOARD ENGINES

Line includes new and rebuilt engines, with wide choice of reverse gears. Featured are conversions of Willys 75 HP Lightning 6; Hudson Wasp 126 HP 6 cylinder; Hudson Hornet 170 HP six cylinder; 275 HP Packard and 180 Pontiac V-8. Other engines available as rebuilts are all models of Ford 6, Ford V-8, Plymouth and Dodge V-8, Chevrolet V-8, Olds V-8, Chrysler V-8, Studebaker Champion 6 and Crosley 4, all rebuilt blocks with all-new conversion equipment on them. Also available are converted transmissions, Paragon reverse and reduction gears, and all models are offered with new Borg Warner Hydraulic Velvet Drive reverse and reduction gear.

VAC-U-MATIC CORP.
146 MOTT ST., OCEANSIDE, N. Y.

VAC-U-MATIC CONVERSION KITS

Kits complete with manifolds for marine conversions. Available for the 4 cylinder Ford tractor engine, $69.50; the Ford V8 110 HP engine, $119.50; and the Jeep engine, $39.50.

ACCESSORIES & EQUIPMENT

ALLCRAFT MFG. CO., INC.
CAMBRIDGE, MASS.

SEAFARER FUEL AND WATER TANKS

Fuel and water tanks are of solid monel and available in over 25 styles and sizes for outboard and inboard installation. Accessory items for use with tanks include fuel gauge quick-disconnect tank-opening and quick-disconnect fitting.

AQUA METER INSTRUMENT CORP.
465 EAGLE ROCK AVE.
ROSELAND, N. J.

AQUA-MATIC SPEEDOMETER IMPACT TUBE

Tube provides uninterrupted speedometer readings and accurate speed checks. Instrument "rides with the punch" over underwater obstacles, and sheds weeds. Unit pivots upward and to rear to ride over obstacles, then springs back automatically, and is non-fouling. Tube also releases forward if boat is backed over obstacles. Transom bracket is included.

AQUA METER SPEEDOMETERS

"Outboarder" series includes surface mount, flush mount and deck mount speedometer, each available in speed ranges of 35, 45 and 55 mph. Aqua Panel Model features hooded speedometer mounting ring.

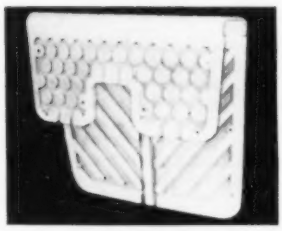
AUTO ENGINE WORKS, INC.
343-A NO. HAMLINE AVE.
ST. PAUL 4, MINN.

CAPITOL GEARS

Reverse and Reduction gears: Model EF—featuring full 100% reverse, 1½:1, 2:1, 2½:1 and 3:1 reductions available. For most popular engines. Model 2 HE—for gas engines to 250 HP at 4,000 rpm and diesel en-

gines to 150 HP at 3,000 rpm; full reverse and reduction gears 1½:1, 2:1, 2½:1, 3:1, and 4:1.

BURROUGHS MFG. CORP.
MARINE PROD. DIV.
3550 TYBURN ST.
LOS ANGELES 65, CALIF.



TRANSOM PAD

Polyethylene transom pad will not oxidize, harden, or corrode, and is unaffected by sun, salt water, gas, oil, acids, alkali and paint. Center of pad is grooved to insure snug fit over any transom up to 2½" thick. Pad is self draining. Price, $3.95.

COLE-HERSEE CO.
20 OLD COLONY AVE.
BOSTON, MASS.

ENGINE CONVERSIONS etc.
ENGINE ACCESSORIES

Line includes 4-pole trailer connector, receptacle, magneto-starter switch, master disconnect switch, pilot light, fuse block, metal clad plugs, terminal blocks, dash lamps, light switch 3-positions, switch panel assemblies, toggle switches, push button switches, face plates, bilge pump switches, and ignition-starter switches.

STARTER SOLENOIDS

Starter solenoids for boats are offered for 6 or 12 volt applications with grounded or insulated operating coils. "Universal" flat or curved-type mounting brackets, terminal nuts and lock washers for cable and wire connections. Series of "open-cap" solenoids with push buttons for direct manual operation at solenoid itself is available.

COLUMBIAN BRONZE CORP.
FREEPORT, N. Y.

OUTBOARD PROPELLERS

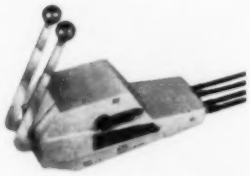
Line includes 23 new models for specific uses. Included are 13 new bronze and aluminum propeller designs for the 10, 35 and 50 HP Johnson and Evinrude motors, and 10 new designs for the 40 and 60 HP Scott outboards.

ERA METER CO.
3932 N. KILPATRICK AVE.
CHICAGO 41, ILL.

SYNCRO-SCOPE

For synchronization of twin marine engines. A tamper-proof electronic instrument that indicates, by means of a blinking light, exact degree of synchronization of engines. Sealed component is moisture proof and corrosion proof. No moving parts. Price, $24.50.

FOX RIVER MFG. CO.
422 MARION RD., OSHKOSH, WIS.



UNITROL
TWIN MOTOR CONTROL

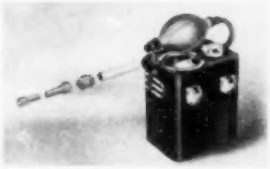
Twin motor shifting and speed control has one lever for each motor for forward, reverse and speed control and has warm-up idle lever for starting; can be used as single lever for both motors, or individually if one motor is running, and returns to normal idle automatically in either forward or reverse action of lever.

MARINE PRODUCTS CO.
515 LYCASTE AVE., DETROIT 14, MICH.

MODEL MP 15030
CENTRIFUGAL PUMP

Pump is specifically designed to provide adequate cooling capacity for difficult-to-cool marine engines, and is an all-bronze, straight centrifugal pump for either belt or direct drive. Pump is self-adjusting and prevents leakage of anti-freeze. Built to deliver up to 50 GPM, the pump is 5⅜"x 5 1/32"x6 15/16". Inlet pipe size is 1" diameter, outlet pipe size ¾" diameter.

MINE SAFETY APPLIANCES CO.
PITTSBURGH, PA.



M-S-A EXPLOSIMETER

Instrument measures concentration of gases and vapors within or above the explosive range and can be operated by one person. Tests are made with a five-foot sampling line of synthetic rubber which permits probing in engine room, ship's bow, cockpit, bilge area and along fuel lines.

Attach them yourself for secure protection . . .

DOT®

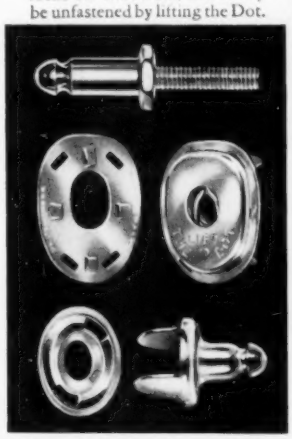
MARINE FASTENERS

all brass—won't rust—sure to hold

Depend on DOT to secure covers on central panels, cockpits, hatches, outboard motors or dinghies. Easy to attach, engineered for precision performance; work fast, hold fast; no maintenance, no replacement. There's a fastener for every requirement in DOT's special Mariners' Line—brass throughout with nickel, chrome, brass or black finish. Carr Fastener Company, Division of United-Carr, First in Fasteners, Cambridge 42, Mass.

Just ask your marine hardware supplier for Dot Fasteners

Lift-the-Dot Snap Fastener, locks on three sides, can readily be unfastened by lifting the Dot.



Dot Durable, medium-size button-type snap fastener. Simple to attach, combines tenacity with ease of action.

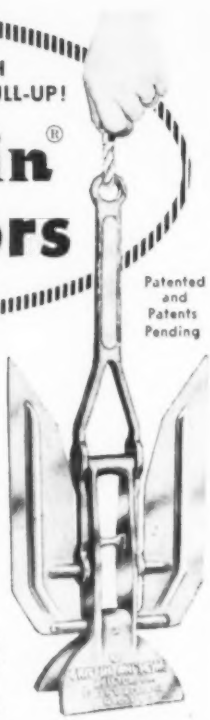
Fasteners illustrated can be supplied with rivet, machine screw or wood screw type studs.

NEW!

FLUSH VERTICAL PULL-UP!

Griffin® Anchors

Griffin



Patented and Patents Pending

Rugged all-purpose 3-unit stockless galvanized malleable high strength anchors with entirely new, positive anchoring action. No Chains Required!

DIGS IN FAST yet PULLS OUT EASILY!
"Lock-Grip" HOLDS IN ALL BOTTOMS!

ONLY anchor with Flush Vertical Pull-Up! Flukes will not dig into sides of boat!

ONLY anchor recommending 3-to-1 scope. Use anchor line length 3 times water depth.

Model	Size	Weight	Boat* Length	Price*
4G	15"x7"W	4 lbs.	up to 16'	$ 7.50
8G	21"x 8"W	8 lbs.	up to 25'	$14.90
16G	29"x12½"W	16 lbs.	up to 40'	$28.50

*All prices F.O.B., Bristol, Pa. Prompt Delivery *under Average Conditions

See your dealer or write to: Griffin Anchor Division
SAMUEL JACKSON'S SONS, INC.
838 SUBURBAN STATION BLDG., PHILADELPHIA 3, PA.

Look first at AERO-CRAFT

America's FIRST Aluminum Boats and they are GUARANTEED for **LIFE**

FINEST QUALITY ALUMINUM AND FIBERGLAS BOATS

THE *ULTRA-NEW* LINE FOR '59!

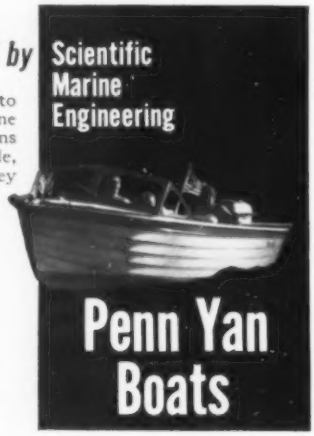
AERO-CRAFT for '59 offers America's most complete line of quality aluminum and fiber-glass boats—featuring the very latest in design and construction. Look at AERO-CRAFT first—then choose AERO-CRAFT for NEW beauty—NEW styling and rugged maintenance-free durability.

Write for free literature on the complete Aero-Craft line of quality boats. A few Aero-Craft dealer franchises available.

AERO-CRAFT DIVISION OF HARWILL, INC. DEPT. E-2 • ST. CHARLES, MICHIGAN

***Beauty**... backed by* Scientific Marine Engineering

Every Penn Yan is built to scientific principles of marine design. As a result, Penn Yans are superbly maneuverable, fast, durable and *safe*. They are built—as they have been for nearly 40 years—to give *greater satisfaction longer*.



Free Brochure describes complete new line. Write Penn Yan Boats, Inc., 19th St., Penn Yan, N. Y.

Penn Yan Boats

OBERHAUSEN ENGINEERING CORP.
2777 ASHFORD RD., N.E.
ATLANTA 19, GA.

SUPERCHARGERS

For marine engines and auto conversions. Unit can be ordered assembled or in kit form, uses stock carburetor. Unit operates only when needed, through non-pressurized carburetor. 28 page catalog available for $1.00; 150 page installation manual plus catalog, $5.00.

OSCO MOTORS CORP.
3625 N. LAURENCE ST.
PHILADELPHIA, PA.

REVERSING GEARS

Line of hydraulic (self) controlled reversing gears for most automotive engine marine conversions is offered. OHF3 series of hydraulic gears is available with integral reduction ratios of 1.5:1; 2:1; 2.5:1 and 3:1 as well as 1:1 direct drive unit. Complete reversing gear assemblies bolt and couple directly to Buick, Cadillac, Dodge, Chevrolet, Plymouth, Ford and Chrysler flywheel ends without alteration.

PERKINS MARINE LAMP & HDWE. CORP.
159 SNEDICKER AVE.
BROOKLYN 7, N. Y.

THROTTLE-CLUTCH CONTROL

Throttle-clutch control has removable plate on top of housing to permit access to interior for lubrication and adjustments. Control also has cable bracket for use with various types of ball-jointed control cables. Unit is of bronze chrome-plated, and available in 5 models; single clutch; single throttle; clutch and throttle, and double clutch and double throttle.

WESTBERG MFG. CO.
144 S. COOMBS ST., NAPA, CALIF.

3" ELECTRIC TACHOMETERS

3" tachometers are available

in 4 series, all featuring 2% accuracy, uniform scale divisions, dust and moisture seal and can be used with leads of any length. Instruments are available for 6 and 12 volt installations and for external magneto engines with no battery.

DUAL ELECTRIC TACHOMETERS

Dual tachometers are available for all dual engine cruisers with 12 volt starters. Instruments indicate speed of either engine and synchronize engines at center scale. Features include 2% accuracy, uniform scale division and dust and moisture seal. Marine panels for dual tachometers are also offered.

ELECTRIC TACHOMETERS

Instruments are available for all 2 cycle outboard engines, and feature 2% accuracy, uniform scale divisions and indirect lighting on most models. Company also offers panels for tachometers, and twin units for dual engine boats.

WARNER GEAR DIV.
BORG-WARNER CORP.
MUNCIE, IND.

VELVET DRIVE TRANSMISSIONS

Line of Velvet Drive Hydraulic marine transmissions and gear reduction units includes 3 transmissions for use with gasoline engines up to 500 cu. in. displacement. Diesel ratings are available upon request. Five reduction gear boxes are available in ratios of 1.523:1; 2.1:1; 2.57:1; 2.909:1 and a counter-rotating 1.909:1 reduction gear. Transmissions are self-contained, and no partial disassembling is required, and are adaptable to either hand or engine rotation and suited for twin engine boats.

ENGINE ACCESSORIES & ENGINEERING EQUIPMENT

AC SPARK PLUG
GENERAL MOTORS CORP.
FLINT 2, MICH.

MARINE SPARK PLUGS

Plugs feature buttress tops, heat-sealed construction, conductaseal, precision-rolled threads, deep-recessed hot tips, isovolt electrodes and rust-proofed shells.

ALLCRAFT MFG. CO.
27 HAYWARD ST.,
CAMBRIDGE 42, MASS.

SEAFARER MONEL TANKS

Manufactured in a wide variety of sizes in either rectangular or cylindrical shape. Stock tanks are available with capacities of 9 to 80 gal. and are made for use with outboard motors. Every Allcraft tank is individually tested and meets all the requirements of the United States Coast Guard and Yacht Safety Bureau. Price, $42 to $243.

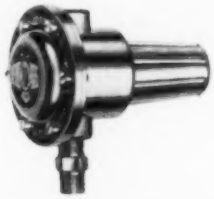
MUFFLER

Wet or dry type mufflers are available in a variety of models, with a ½" drain in wet mufflers only. Mufflers are of monel, with 6", 8" and 9" diameters, and in 8" to 30" lengths. Intake and outlet diameters range from 2" to 5".

SEAFARER TEST TANK

Designed to accommodate new larger high-powered motors. With overflow, drain, fill fittings, mounting brackets for davit at both ends. Baffle arrangement eliminates excess cavitation. Fumes expelled through hood opening. Steel construction; 48"x60"x48". Further information on request.

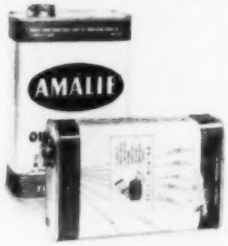
ALONDRA, INC.
959 CRENSHAW BLVD.,
LOS ANGELES 19, CALIF.



"FILT-O-REG" FUEL PRESSURE REGULATOR

For marine combustion engines. Has metal bowl to eliminate fire hazard. Corrosion resistant. Prevents stalls, cuts gas waste, removes dust particles from gas.

AMALIE DIVISION,
L. SONNEBORN SONS, INC.
FRANKLIN, PA.



MEASURING OIL CAN

New motor oil can is diagrammed with a radius of angles, with each horizontal angle position keyed to a specific quantity of oil being poured when can is tilted to assure correct amount of oil being added to known quantity of gasoline.

AMERICAN BOSCH
SPRINGFIELD, MASS.

WINDSHIELD WIPERS

Especially designed for marine use. Protected from rain, spray, and dampness by a one-piece, mahogany colored, molded-rubber jacket encasing the wiper motor. Constant-speed electric motor operates instantly on 6, 12, or 24 volt systems for full-time visibility. Only one hole needed for mounting. Kit includes motor, waterproof jacket, mounting parts, control switch, and instructions; blades and arm separate.

AMERICAN MAT CORP.
2316 ADAMS ST., TOLEDO, OHIO

OUTBOARD TANK MAT

A new noise eliminating, skidless rubber mat for outboard motor gas tanks. Designed to catch spilled gasoline and oil and protect boat finish. Colors to harmonize with boat. Also rubber mats and stair treads suitable for marine use.

ARNOLD MAGNETICS CORP.
4613 W. JEFFERSON BLVD.,
LOS ANGELES 16, CALIF.

POWER SUPPLY

Transistorized power supply converts battery voltage to high voltage DC for use for radio equipment. Contains no moving parts. Operates from

By Every Standard

the finest marine radiotelephones in the world.

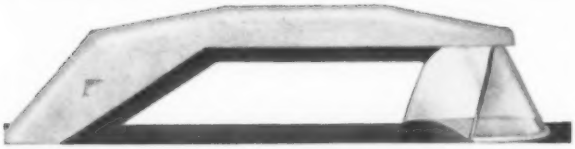
CARIB 130A

Type accepted by FCC . . . 130 watts input . . . eight channels . . . separate power supply . . . available 12, 32 volts

Send for free booklet: Marine Radiotelephones — How to Use and Choose Them.

PEARCE-SIMPSON, INC.
2295 N. W. 14th Street, Miami 35, Florida
WEST COAST OFFICE:
1184 G. Forest Ave., Pacific Grove, Calif

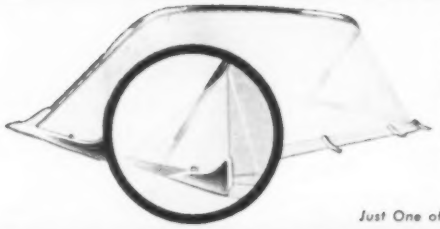
"CAPRI"
CONVERTIBLE TOP



Beautiful styling, ample head room, easy to install, four rib structural rigidity, yet simple and compact folding are the main features of this really new *convertible* top. Available in 6 widths, two colors, to fit Aqua-Flite shields.

Just One of a Complete Line

VENT-AIRE
WINDSHIELD



Brand new for '59 with the finest of automotive styling, engineered to the rigors of marine use. This elegant new shield affords protection, style and comfort as the vent-a-pane swings out for no draft, or all the way around for full air scoop cooling.

Just One of a Complete Line

CANVAS PRODUCTS CO.
10411 CAPITAL • DETROIT 37, MICH.

DON'T SAY: "Any Old Port in a Storm" SAY: RIG and U

ELECTRIC OR HAND OPERATED

BOAT LIFTS

Low Cost Boat Protection
for Outboards and Inboards

Write for Catalog

BEACHER Marine Railway

REIMANN and GEORGER, INC. 1835 HARLEM ROAD BUFFALO 12, N. Y.

WORLD'S LARGEST SELECTION

Plans
Patterns
Frame Pacs

Over 400 New Plans, Full Size patterns, Frame Pacs. Designed especially for the amateur. Prams, Racers, Cruisers, Utilities, Inboards, Outboards, in WOOD, PLYWOOD and STEEL. New longitudinal stressed models with revolutionary bulkhead construction-light, super strong. World's Largest selection.

Send 35¢ for 120 pg. PLAN CATALOG
Catalog plus "Boat Building Handbook"... Send $1.

Catalog plus "Hardware & Accessories Catalog & Armor Glass Catalog" covering boat repairs...Send $1.

Special Offer!
120 pg. PLAN & PATTERN Catalog — plus "Boat Building for the Amateur", "Boat Operation & Maintenance", "How to Paint, Outfit & Care for Boats" and "Armor Glass Manual" showing application and useage of fibre glass.

ALL FOR $2.00

CUSTOM • CRAFT, Buffalo 7A, New York

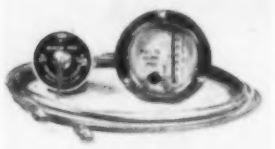
6 or 12 volt battery. Models available with output voltages of 150 to 400 volts DC and output currents up to 265 ma. Priced from $34.95.

ARROWHEAD RUBBER & MFG. CO., INC.
SHAKOPEE, MINN.

TRANSOM PAD

Three sizes molded rubber for motors of 16 HP to 60 HP. In black and white or in colors to match boat trim. Price, $2.75 to $4.95.

ASSOCIATED MFRS. CO.
5 SKILLMAN AVE., ROSLYN, N. Y.



UNIVERSAL TANK SOUNDER

A marine tank gauge for gasoline, fuel oil or water. Works on pressure principle without floats or electricity. Can be installed in existing or new tanks without cutting or disturbing tanks in any way. Gauge can be located anywhere desired; registers number of inches of liquid in tank, regardless of size or shape. With addition of selector valve, single gauge can be used to measure two separate tanks, or one tank and bilge. Price, $33.50; price for selector valve, $15.50. Instructions included.

ATTWOOD BRASS
GRAND RAPIDS, MICH.

BATTERY CASE

Reinforced polyethylene acid-resistant case fits batteries up to $10\frac{1}{2}$"x$7\frac{1}{8}$"x$8\frac{1}{4}$". Protects clothing and hull from battery acid, reduces fire hazard. Complete with acid resistant plastic carrying strap and chrome plated bronze loops for lashing case to boat. Weight 13 lbs.

BAY PATTERN WORKS
1715 MILLS ST., SANDUSKY, OHIO

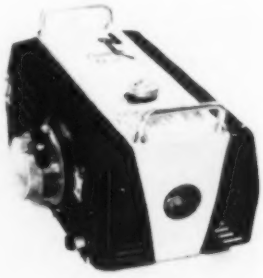
BAY STEERING BAR

Leverage system for cable steering featuring absence of jumbled cables around motor, tilting of motor without disconnecting cables, etc. Handles dual motors together or independently. Steel and bronze construction.

BENDIX AVIATION
8211 LANKERSHIM BLVD.,
N. HOLLYWOOD, CALIF.

110 PORTABLE ELECTRIC GENERATOR

Generator is powered by 2-cycle, 2 hp air-cooled engine, and produces 750 watts for use in household emergencies, trailers, camping and on hunting and fishing trips. It is equipped with a specially designed muffler for quiet operation and equipped with rewind starter. Tank holds $\frac{3}{4}$ gallon of fuel for operation from 1 to 3 hours, depending on the load. Price, $215.



BLUE CROWN CORP.
P. O. BOX 96, DEFIANCE, OHIO

BLUE CROWN SPARK PLUGS

Especially suited for 2-cycle or outboard motors. Complete details in Blue Crown Spark Plug Specification Chart, Section #6, available from dealer or manufacturer.

BOWERS BATTERY & SPARK PLUGS
P. O. BOX 1262, READING, PA.

ELECTRICAL EQUIPMENT

Storage batteries and spark plugs, for inboard and outboard service.

BOWERS BATTERIES

Battery line features −40° oxide for fast starting in all temperatures, corrosion-resisting grid metal, hard rubber cases, microphorous rubber and improved plastic and tough sealing compounds. Batteries available include 5 for outboards, 4 for 12-volt-starting and one for 6-volt starting, and a complete line of batteries for small inboards, in all voltages from 6 to 120, with capacities up to 1200 ampere hours.

BRENNAN MOTOR MFG. CO.
SYRACUSE 2, N. Y.

BRENNAN "IMP"

New propulsion unit for small boat application consists of the Brennan "Imp" and an outboard drive in one unit combining features of both inboard and outboard power. Unit weighs 200 lbs. and requires 30" of boat space for installation. Shaft kicks up if a submerged object is struck, and unit steers with the propeller from a tiller arm on inside of boat with conventional cable hook-up.

BRINKTUN, INC.
710 NORTH 4TH ST.,
MINNEAPOLIS, MINN.

MOTOR CARTS

Motor carts designed for easier handling of larger outboard motors up to and including 40 HP. Models available for all motor sizes from 35 to 50 HP.

BURGESS BATTERY CO.
FOOT OF EXCHANGE,
FREEPORT, ILL.

4F5H

No. 4F5H Burgess 7½ v battery for emergency illumination and portable lights used by railroads, police, fire departments and emergency crews. Weatherproof metal container makes this battery substantially leakproof. Size: 7⅜"x 3 31/32"x5 13/16". Weight 7¾ lbs. Price, $6.10 each.

CARLING ELECTRIC
505 NEW PARK AVE. W.,
HARTFORD 10, CONN.

SWITCHES

Use to control all electrical circuits, searchlights, horns, pumps, electronic equipment, etc.

CENTRAL CAN CO.
2415 W. 19TH ST., CHICAGO 8, ILL.

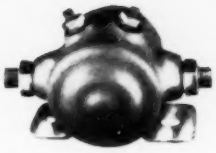
GASOLINE STORAGE CAN

2½ gal. capacity can is of heavy-gauge steel, has a 2½" filling aperture and is equipped with a 7" flexible pouring spout with built-in strainer. Bail is of 9 gauge steel wire with wooden handle for easy grip.

COLE-HERSEE CO.
BOSTON, MASS.

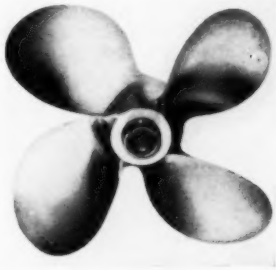
STARTER SOLENOID

Plasticized solenoids for all electrical starting applications including marine equipment.



Shock and vibration resistant. Available in 6 or 12 volt models, with grounded or insulated operating coils, flat or curved mounting brackets, and three or four terminal studs.

COLUMBIAN BRONZE CORP.
FREEPORT, L. I., N. Y.

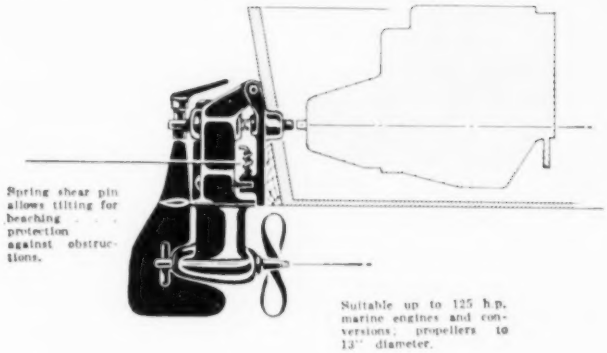


OUTBOARD PROPELLERS

Customized outboard propellers are designed to give better boating performance by taking hull, horsepower and load factors into account. They are available in 2, 3, and 4 blade models, in aluminum or bronze. Additional features include a rubber hub guard which protects gears when propeller strikes an obstacle.

NO NOISY GEARS TO WEAR OUT WITH . . .

Time-Tested, Chain Driven



TRANSOM DRIVE

1948 Chris-Craft obtained 34.1 mph with 70 h.p. Transom Drive.

18' LYMAN ISLANDER OBTAINED
29.7 M.P.H. WITH 70 H.P. TRANSOM DRIVE

INBOARD ECONOMY . . . OUTBOARD CONVENIENCE!

Model 101..Up to 70 H.P...1.29 to 1 R.D...$575
Model 201..Up to 100 H.P...1.29 to 1 R.D... 585
Model 103..Up to 100 H.P...Direct Drive.. 585
Model 203..Up to 125 H.P...Direct Drive.. 595

HAMPTON ROADS MARINA CORP.
P. O. BOX 86, HAMPTON, VA.

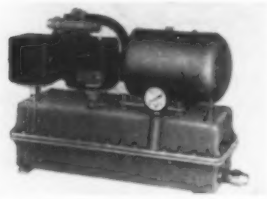
Hampton Roads Marine Corp.
P. O. Box 86, Hampton, Va.
Please send installation drawing, Recommended model and propeller for my boat which has an overall length of ..... feet. Engine model ..... is rated at ..... h.p. at ..... r.p.m.

NAME .....
ADDRESS .....
.....

CROWELL DESIGNS, INC.
P. O. BOX 21, 2106 BRIDGE AVE.,
POINT PLEASANT, N. J.

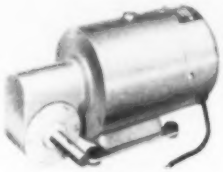
FLOW VIEW STRAINER

Available in ¾" and 1" sizes. For use as bilge or raw engine water strainer. Features include Monel basket, pyrex glass, and neoprene gaskets. Strainers do not fog up. Price, $16 to $18.



WATER PRESSURE SYSTEM

Air chamber is separated from water chamber by butyl rubber diaphragm and unit, which is completely self-contained; can be mounted above the fresh water tanks. Features include positive displacement, self-priming action, built-in monel strainer and a water-lubricated impeller. Standard household faucets can be used. Price $175.



LOW VOLTAGE DC MOTORS

7½"x4"x5". For installation on refrigerators, air compressors, electric toilets, etc. Splashproof and sparkproof, they use all DC voltages, 1/8, 1/6, 1/3 and 1/4 hp. Designed and engineered for marine use. Price, $65.

HYDRAULIC STEERING GEAR

Output for this steering gear is rated at 250 lbs. of thrust for normal maximum and 700 lbs. of thrust emergency maximum. Suitable for both small and large boats, it is installed with standard ½" O.D. soft copper tubing. No cables, pulleys, gears or outside source of

power required. Price $195 single, $315 dual station.

DAKOLINE CHEMICAL CO.
357 ATLANTIC AVE.,
BROOKLYN 17, N. Y.

BILGE CLEANER

"Ship Ahoy Roll-A-Way" bilge cleaner, "Ship Ahoy Aqualube" pump and marine toilet lubricant, "Ship Ahoy Barfair 77" rot and mildew-proofer for sails and other cleaning and polishing materials.

DOW CORNING CORP.
MIDLAND, MICH.

NO. 4X COMPOUND

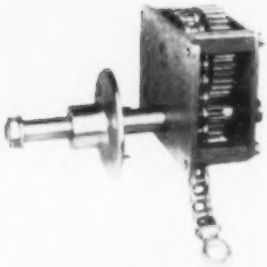
A nonmelting grease-like silicone dielectric and water repellent. Seals, lubricates and protects copper fittings, electrical connections and battery terminals. Price, $1.95 for 2 oz. tube. Sold through jobbers.

EASY AMPS CO.
P. O. BOX 675, IRVING, TEX.

EASY AMPS KIT

Charges the boat battery using the car generator. Installs permanently on car and trailer and is plugged in when the trailer is connected. Car regulator prevents overcharging. A forty mile auto trip will usually replace current for 4-5 hours of light and electric starting use. Price, $19.95.

EDSON CORP.
334 SO. WATER ST.,
NEW BEDFORD, MASS.



STEERING GEAR

A heavy duty, bronze reduction steering gear with "lubricated-for-life" bearings. For boats from 35 to 120' overall length, supplied with 4 feet of bronze roller chain, adaptable for automatic pilot operation. In four sizes, with rudder angle indicator on all models.

STEERING QUADRANTS

Complete line of manganese bronze steering quadrants from 8" to 24"; larger sizes on request. Feature a wire tightening device at quadrant base for accessibility and a split hub for ease of installation.

PEDESTAL STEERER

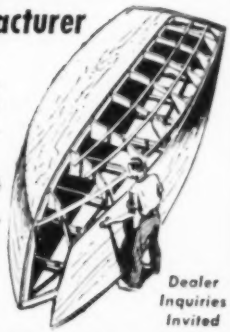
Pedestal steerer with matched 24" wheel in teak, mahogany or chrome. Combines ease of wheel steering with "feel" of tiller steering. Entire unit is non magnetic, features nylon bearings, working parts of bronze or brass, floating fric-

U-MAK-IT BOAT KITS

ALSO NEW LAPSTRAKE KITS
First and Oldest Kit Boat Manufacturer

Most complete line of PRAMS, ROWBOATS, OUTBOARDS, CABIN CRUISERS and new Lapstrake models. Precision cut parts. Preassembled frames and NEW FRAME KITS.
SAVE 50%—BUILD YOUR OWN
MAIL 35c (coin) for complete ILLUSTRATED CATALOG
Showing all models 8' to 23' including accessories, paints, etc.

All You Need to Build Your Own.



Dealer Inquiries Invited

U-MAK-IT PRODUCTS, DELAND, FLORIDA • DEPT. 7

RYBOVICH
for fishermen who want the best

SPEED—STAMINA—SEAWORTHINESS
PLUS EVERY FISHING CONVENIENCE
RYBOVICH & SONS BOAT WORKS, INC.
WEST PALM BEACH, FLORIDA

tion brake, and stainless steel roller chain. Chrome binnacle takes 5 or 6" compass.

STEERING WHEELS

Complete line of quality steering wheels in teak, mahogany and bronze. Wooden wheels are hand made of seasoned stock; hubs are polished bronze or chrome plate. Built with 6, 8

and 10 spokes in proportion to sizes ranging from 20 to 60". Bronze wheels are cast in standard or spokeless modern designs and are available in 16-30" sizes.

ELECTRIC AUTO-LITE CO.
BOX 931, TOLEDO, OHIO

ELECTRICAL PRODUCTS

Line includes materials handling equipment, inboard engines, outboard engines, diesels, small motors and miscellaneous equipment.

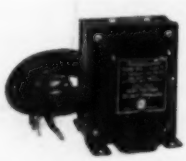
POWER BOND BATTERY

"Power Bond" construction, claimed to eliminate mechanical failure in most severe service by means of a shakeproof, permanent seal. Resists acid leakage and corrosion. Marine batteries available in 8 and 32 volts, dry or wet charged, from $49.50 to $198.00 including inter-unit connectors. Other types, sizes & voltage models available as well as battery accessories.

EMERGENCY REPAIR KIT

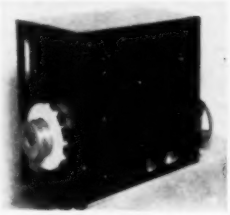
Moisture and corrosion resistant kit containing contact and condenser assemblies in four different combinations for most inboard engines. Packaged in plastic film to provide emergency repairs with original equipment parts. Priced from $2.70 to $4.35.

ELECTRO MARINE PRODUCTS
522 OAK RIDGE STA.
ROYAL OAK, MICH.



TRANSFORMER

110 volt AC step-up transformer to be used only with Electro Marine generator systems, allows user to utilize 250 watts of 110 volt AC from generator. Available in either 12 volt or 32 volt, the transformer will make available 250 watts to run almost any appliance or tool which falls into that power range. Price, 12 volt, $35.70; 32 volt, slightly higher.



GENERATOR

Operated from power take-off of main engine, 32 volts (50 amps, 1875 watts) or 12 volts (100 amps, 1400 watts). Requires about 3 HP maximum at full load. Alternator system available by itself or in combination with shore power converter 12 volts 20 amps, 32 volts 10 amps or 32 volts 20 amps.

CONVERTER

A heavy duty marine rectifier for transforming shore current to 12 volts DC or 32 volts DC. Manually controlled, it may be set for high charging rate to boost low batteries or switched into low for trickle charging or maintenance of batteries for long periods. 1958 models will have circuit breakers instead

QUICK AND EASY TO ERECT OR TAKE DOWN...

Without working in water..."PERMA-DOCK" METAL BRACKETS

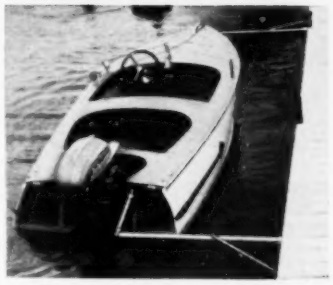
Now you can put up and take down your dock each season and can cut the time in half, using "Perma-Dock" Metal Brackets. You get a stronger, safer dock and you work from top of dock—without standing in cold water. Simply build wooden sections on shore, attach "Perma-Dock" Brackets and float into place on boat. Stand on dock, drop steel pipes through brackets and drive into bottom. Set screws lock brackets securely on pipes—easy to adjust for changing water levels. Dock may be taken down by sections just as easily and quickly. 1¼", 1½" and 2" Brackets for standard steel pipes. LOW FIRST COST and a permanent dock. Your present wood sections are easily adapted for use with the fast, worksaving Perma-Dock method.

Make a stronger FLOAT this easy way with "PERMA-DOCK" FLOAT BRACKETS

Perma-Dock Float Brackets securely fasten 55-gallon drums to landing or swimming floats of any size—making construction and handling an easy job. "Perma-Dock" Ladder can be used on either Float or Dock.

Moor your Boat safely with "PERMA-DOCK" MOORING BARS

Your outboard runabout or any small boat is safely moored with "Perma-Dock" Mooring Bars, making it easy to step in or out of boat. Strong springs attach to bow and stern—your boat's strongest parts—so boat rides easily yet never bumps or rubs dock. Bars attach to dock or float, and fold in flat when not in use. Ruggedly built, zinc plated.



It's Safe and Easy with "PERMA-DOCK" MOTOR CART-LIFT

Lift your big motor from car trunk, roll it out on dock, lower to boat—a one-man job with Cart-Lift! Self-locking winch holds motor safely in any position. No strain or dangerous lifting. Cart-Lift comes apart—fits in trunk.

FREE FOLDER

"Perma-Dock" Marine Specialties save you time and work, protect your boat, add to your guest's pleasure—and are economical. Send today for free folder.

See "PERMA-DOCK" Products at Booth D-64, New York Boat Show

MARINE SPECIALTIES DIVISION
CENTRAL MACHINE WORKS COMPANY
Established 1890
1250 Central Avenue • Minneapolis 13, Minnesota

of presently-used fuses. Aging taps on transformer will take up for aging of transformer (first year only) and allow adjustment to line voltage variation. Radio shielding wire is between primary and secondary of transformer which eliminates radio interference by the unit. Price, 12 volts, from $140; 32 volts, from $150.

REFRIGERATION UNIT

Complete unit to convert any ice box (up to 15 cu. ft.) into automatic electric refrigeration. Any DC voltage and 110 volts AC. 12 volts DC draws 4 to 5 amps per hour and runs 9 to 12 minutes per hour. Can be installed in engine room. Unit contains ¼ HP twin cylinder compressor, appropriate size evaporator, enclosed DC motor and controls. Price, from $218.66 to $290.

ENDICOTT MACHINE & TOOL CO., INC.
101 DELAWARE AVE.
ENDICOTT, N. Y.

ENGINEERING SERVICE

Parts made to order. Tools, dies, jigs, fixtures, special machines, metal fabricating and welding, plating and metal finishing, metal stamping. Brochure on request.

EXIDE DIV.,
ELECTRICAL STORAGE BATTERY
BOX 8109, PHILADELPHIA, PA.

8-VOLT BATTERY

For boats with 32 volt systems. Available in 105, 150, and 175 ampere-hour capacities.

12-VOLT BATTERY

Available in capacities ranging from 41 to 90 ampere-hours. Features recessed intercell connectors for minimum current leakage and electrical hazard.

BATTERY ACCESSORIES

A variety of battery chargers, power packs, boosters, and other equipment are available.

FEDERAL MARINE MOTORS CO.
9011 COTTAGE GROVE AVE.,
CHICAGO 19; ILLINOIS

FOOT THROTTLE

The Arens Foot Throttle Control operates on a rocker which requires toe pressure to accelerate, heel pressure to retard the throttle. Setting remains fixed with foot off the control, regardless of vibration or pounding. Prices, 12′ control $18.25; 17′ control $23.10.

W. G. FEIK MARINE PRODUCTS
1809 AFTON, HOUSTON 24, TEXAS

BAITWELL CIRCULATOR

All-brass circulator gives constant controlled-level fresh water supply to baitwells whether or not boat is at anchor. Adjustable to any hull thickness.

R. W. FERNSTRUM & CO.
MENOMINEE, MICH.

GRIDCOOLER

Cooler provides for fresh water engine cooling. It is a heat exchanger of the outboard or hull type. It eliminates sand and silt deposits in engine water jackets and protects engines from corrosion and deposits in salt water operation.

F. & B. MFG. CO.
4248 W. CHICAGO AVE.
CHICAGO 51, ILL.

FILKO ENGINE PARTS

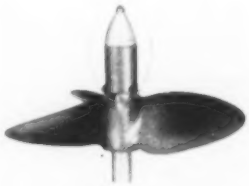
Full line of small engine ignition parts including most outboard motors, and replacement parts. Cross-indexed complete catalog available to service shops.

GENERAL FILTERS, INC.
NOVI, MICH.

GENERAL FILTER

For filtration of gasoline entering marine engine.

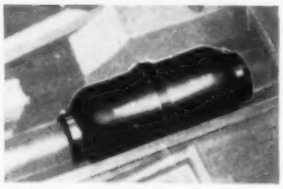
GODFREY PROPELLER ADJUSTING CORP.
155 25th ST.
BROOKLYN 32, N. Y.



FAIRWATER CAP

Unit is designed to prevent corrosion of propellers and shafts by corrosion. Cap consists of regular nut, jam nut, and cotter pin with which propeller is secured to shaft, a bronze shell to cover nuts and rest against prop hub, and detachable bullet-shaped corrosion head that functions as electrolysis-dissipating medium. Cap is available in 7 diameters. Prices: from $10 to $18.40.

GRIFFITH MARINE
GRIFFITH RUBBER MILLS
PORTLAND 10, OREGON



WET MUFFLER

A non-metallic, wet muffler for inboard marine engines, impervious to salt air, water, oils or acids generated in exhaust gases. Weight about 1/10th equivalent metal muffler. Can be installed with hacksaw and screwdriver. 14½" long, 6" diam., 4½ lbs. For exhaust lines up to 3" in diam., gasoline engines up to 150 HP, diesel engines to 60 HP. Price, $35.00

GUEST PRODUCTS CORP.
35-04 30th ST.
LONG ISLAND CITY 6, N. Y.

GUEST VAILLANT WATER HEATER

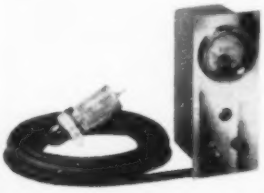
Tankless water heater provides hot water instantly. Features include operation on LP or natural gas, AGA-approved multiple safety controls, chrome and vitreous enamel finish and automatic temperature regulator. Three models available. Prices: $97.50, $127.50 and $155.

HANDLING EQUIPMENT MANUFACTURING CO.
WIXOM, MICH.

BOWEN GASOLINE CADDIE

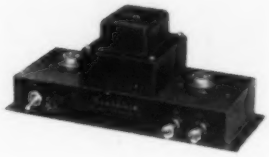
Caddie for taking gasoline to motor tank is available in both 12 and 18 gallon models, with tanks of welded aluminum. Features include oversize semi-pneumatic rubber-tired wheels and neoprene hose. Pump is manually operated.

HEATH CO.
BENTON HARBOR, MICH.



FUEL VAPOR DETECTOR KIT

Heathkit Models FD-1-6 (6 v DC) and FD-1-12 (12 v DC), vapor detector with an indicator that mounts on or near instrument panel and a pilot light which shows when the indicator is working. A three-color "Safe-Dangerous" scale indicates whether the engine may be safely started. The detector is placed in the danger area and connected to the indicator by a heavy-duty neoprene-insulated cable, highly resistant to the effects of oil and gasoline. Kit includes a spare detector unit. Shpg. wt., 4 lbs. Price, $35.95.



POWER CONVERTER KIT

Allows operation of electric appliances and equipment (radio, razor, lights, etc.), from 12 volt battery. Changes battery current to 110-volt 60 cycle AC. Fused to protect the transistors. Filtered to prevent interference. 10"x4½"x4½". With instructions for assembly. Price, $24.95.

HELI-COIL CORP.
DANBURY, CONN.

THREAD REPAIR KITS

For repairing worn, damaged and stripped threads in all types of inboard and outboard marine engines. Each kit contains a quantity of stainless steel wire thread inserts with taps and inserting tools in several sizes. 12 kits available, designed for years of usefulness by reordering inserts. Will handle almost every thread repair problem.

HOLLY MFG. CO.
WAVERLY, IOWA

PELLET-TYPE THERMOSTAT

Pellet-type thermostat is a positive action unit unaffected by pressure in the cooling system, and is furnished in a temperature setting of 145°. Thermostat, which replaces firm's previous bellows type unit, interchanges in present temperature control housing. Boat owners with manufacturer's bellows type on their engines can make replacement with new pellet type.

JOHNSON PROPELLER CO.
603 LANCASTER ST.
OAKLAND 1, CALIF.

OUTBOARD PROPS

A wide variety of propellers for Evinrude, Johnson, Scott-Atwater, Fageol, Mercury motors, plus "OJ" and Super "OJ" props, and others.

JAGIEL RESEARCH & DEVELOPMENT CO.
3106 ALGONQUIN PKWY.
TOLEDO 6, OHIO

STABILIZER

The Jagiel stabilizer for outboard motors of 15 HP and

NEW 16' BONANZA, with beauty in every line, every detail, from soft upholstered seats to silvery or golden trim, upholstered cockpit, roomy stowage.

NEW 17' OVERNIGHTER, first of its kind in fiberglass! Two bunks forward, bulkhead for lock-up stowage, more stowage aft, large cockpit.

THE 404 EXPRESS, 19 feet of boating pleasure with new longer look, new forward hatch, twin bunks, head, sink, new self-bailing motor well, new stowage aft.

Here is an **all new** 1959 line, embodying fresh, free styling, powerful performance and assured family safety! And among the exciting new all-Bellglas models Bell Boy is introducing this year are the fabulous BONANZA luxury runabout and terrific OVERNIGHTER cruisette!

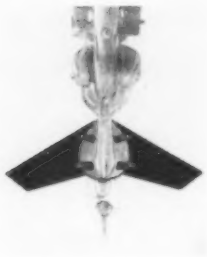
•

The complete new Bell Boy line features rugged triple-braced transoms, new higher self-draining motor wells, new roomy stowage in every model, new stronger hull construction, and increased gas capacity for extended long range cruising.

Step up to a Bell Boy!

Bell Boy ®
BELLGLAS BOATS

Bellingham, Washington•Columbia City, Indiana•Huntington Station, Long Island, New York



over. Fits on the cavitation plate and eliminates pounding, vibration and cavitation. Increases power and planing. Under normal conditions boat can be turned around in its own length at full throttle, without capsizing. Price, $9.95 F.O.B. Toledo.

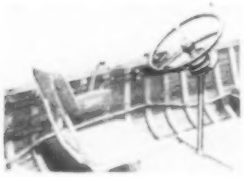
LAFAYETTE SUPPLY CO.
WEST LAFAYETTE, OHIO

BATRI-BOX

Two sizes accommodate most 6 and 12 volt batteries. Designed for all electric starting outboards, boxes are made of ⅜" marine plywood finished with waterproof, acid-resistant varnish and nickel-plated hardware. Prices, $8.95 and $9.45. Other electrical accessories: Marine junction block, four positive and four negative posts, $2.50.

HELM-RITE

Designed to enable owner to mount the wheel at the proper position for maximum performance. May be easily mounted in any position on



gunwale, port or starboard; eliminates necessity of center deck and provides clear passage from bow to stern. Aluminum construction, for any small craft. Price, $21.95. Other accessories: Aluminum tube boarding ladders, from $9.95 to $14.95.

REMOTE CONTROL MOUNT

Adjustable gunwale bracket and control panel does away with remote control mounting problems. Can be attached to any small craft above or below gunwale, providing correct [illegible] control with four [illegible] height [illegible] setting [illegible] need be bored. Price, $4.95.

F-46, F-47
FUEL FILTERS

Keeps dirt from outboard auxiliary fuel tanks, and needs removing only for cleaning. F-46 model is designed for Johnson and Evinrude 4 and 6 gallon tanks; the F-47 model for Mercury, Wizard, Scott-Atwater and Oliver tanks. Brass construction with 20 to 25 sq. in. of screen area. Prices, F-46, $2.25; F-47, $1.95.

GAS TANK GRIPPER

Keeps auxiliary gas tank secured and out of the way. Base is ⅜", grippers are ¾" marine plywood with one gripper glued and screwed to the base, the other adjustable and tightened by a wing nut. Grippers are lined with neoprene bumper. For tanks without seams, a web strap is furnished to hold tank in place. Finished in waterproof varnish with nickel-plated hardware. Prices, $5.75 and $5.95.

LA MARCHE MFG. CO.
49 WOODRUFF AVE.
WAKEFIELD, R. I.

SEA SAFE

Remote controlled electrically and mechanically operated battery switches for remote control of all battery power aboard.

CONSTAVOLT

Automatic marine converter. Converts 115 volt AC shore current to DC power for charging batteries and operating all accessories aboard ship.

CHARJALL

A manually operated charger, on wheels, for docks and marinas. DC output 0-45 v, 20 amps, can charge any number of cells from 1 to 36.

AUTOMATIC BATTERY CHARGER

For use on outboard cruisers and small inboards. Type J 6 or 12 v or Type R24, 30 or 32 volts.

LEE MFG. CO.
226 W. 22 ST., HIALEAH, FLA.

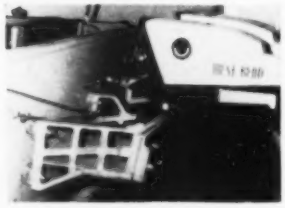
PORTABLE AIR PUMP

The "Bantam" is an oil-free piston air pump that is lightweight, maintenance-free (no diaphragm to change), and portable. For wherever small volume air is needed at either low or high pressure. Is available without motor and is perfect for skin diving, or wherever power take-off or gasoline power drive is available. Specifications and literature free upon request.

MAGIC TOOLS, INC.
991 WILLIAMS ST.,
SAN LEANDRO, CALIF.

SWIVEL MOTOR MOUNTS

Made of heavy duty aluminum alloy, rubber cushioned. Treated against salt-water corrosion. This model is made in two sizes for one or two motors. Price, $69.50 to $98.

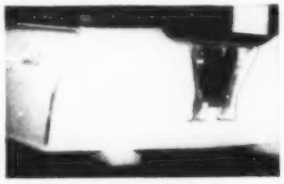


STANDARD MOTOR MOUNTS

Single and twin models, all rubber-cushioned and constructed of aluminum alloy laboratory-tested to withstand load pressure of 3515 lbs. Equipped with remote steering hook-up brackets, mounts are adjustable. Designed for motors to 25 HP, they are treated for resistance to corrosion, and equipped with hardwood "false transom" boards. Prices, $48.50 to $79.30.

HEAVY DUTY MOTOR MOUNTS

Special mount for large, heavy motors is 22⅝" deep, with a special 1¾" hardwood transom board. An extension bracket fastens onto the mount giving an additional 3". Mounted on rubber that goes through the boat and completely seals it. Prices, single mount, $72; with extension, $84; double mount, $105; with extension, $123.



TRANSOM SHIELD

Eliminates need to drill holes through transom to hold large motors in place. Protect both motor and mounting bracket. Two models available for all motors. $10.

BAFFLE PLATES

Prevents settling of boat when it is stopped. Lifts boat, prevents water washing up onto motors.

MAGNAFLO CO.
4132 MARKET ST., YOUNGSTOWN, O.

LIFETIME CHARGE

Chemical additive prevents sulphation, claimed to be the basic cause of battery failure. Dissolves and prevents lead sulphate formation. Price, $1.69.

MANHATTAN MARINE
116 CHAMBERS ST.,
NEW YORK 7, N. Y.

RAYTHEON MOTO-LARM

Unit protects engines by flashing light and buzzing alarm when oil pressure drops below 7 lbs. or water temperature rises above 190°. Indicator panel is 4¾" x 3¼", indicator box is 3¾" x 2¾" x 2¾". Instrument operates on 6 or 12 volts DC, and does not draw current when standing by. Price: $12.95.

RAYTHEON
BILGE LEVEL INDICATOR

Instrument sets off alarm light whenever water in bilge reaches a predetermined level. Indicator consists of detector unit containing a float actuated switch, an interconnecting cable and a panel light. Bilge switch has hermetically-sealed, positive-acting, explosion-proof switch. Unit draws no current except when alarm light goes on. For 6 or 12 volts or 115 volts AC; unit is supplied with 15' of duplex nylon jacket cable. Price: $12.95.

MARK MFG. CO.
RT. 2, BOX 970, TACOMA, WASH.

OUTBOARD FUEL TANK

Mounts overboard aft, forms an extended step-type planing surface and motor mount. Self-adjusting, self-sustaining, rubber mounted. Features removal of fuel from inside the boat, 2' longer planing surface, adjustment for different fuel loads, reduces motor noise and vibration. In three models for planing hulls from 12' to cabin cruisers. In following sizes: 37-gal. single engine; 64- and 84-gal. twin engine. Supports any HP capacity engine.

MARTIN MARINE PROD.
3864 S. KEDZIE AVE.,
CHICAGO 32, ILL.

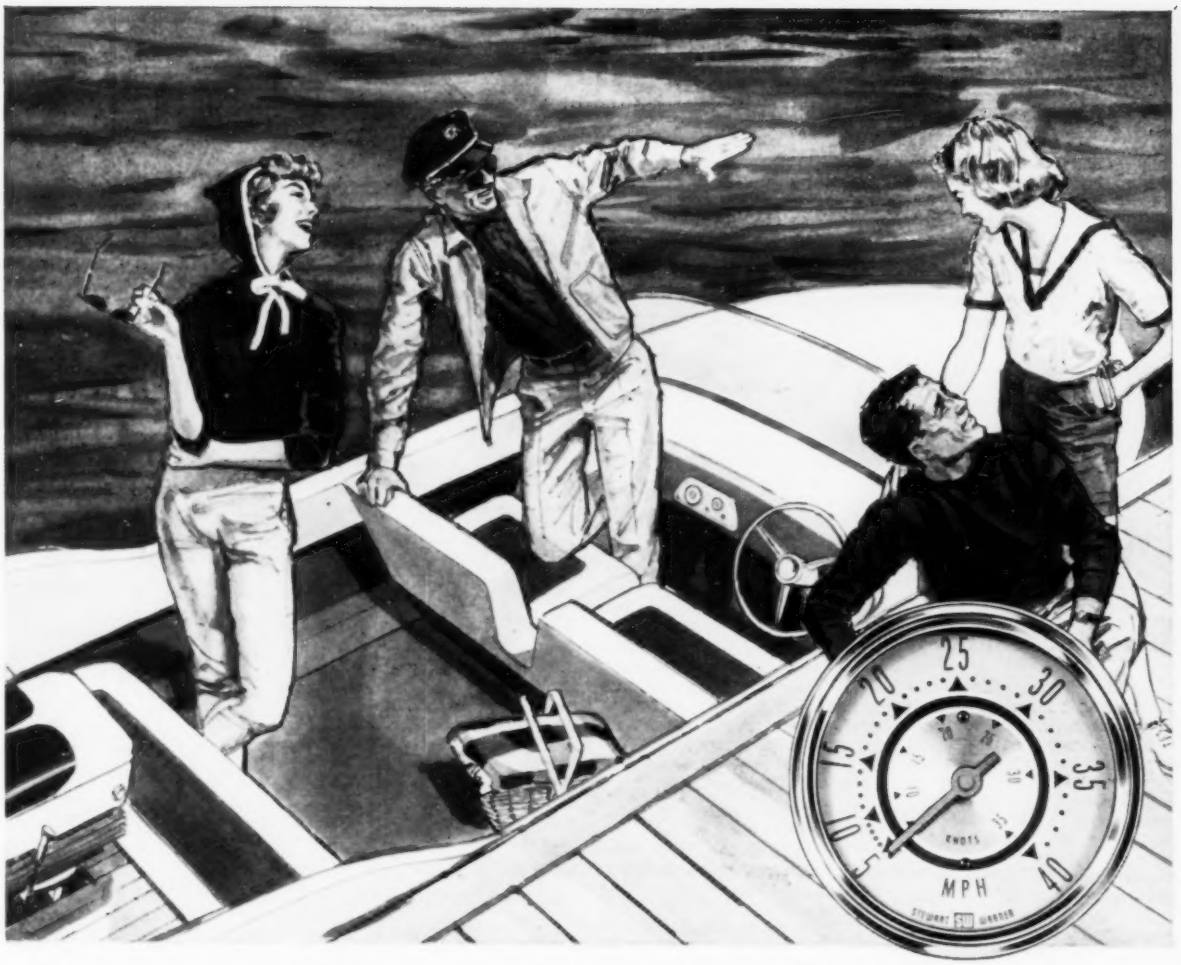
MASTER MARINE UNIVERSAL JOINT

Coupling for use on marine engines in a 6" flange size intended to accommodate heavier, more powerful engines. Used between propeller shaft and engine to prevent distortion of the shaft, propeller vibration, and gear strain. Also available in 4" and 5" flange. Write for full details.

MICHIGAN WHEEL CO.
GRAND RAPIDS, MICH.

PROPELLERS

Complete line of outboard and inboard propellers, including inboard "Cupped" Dyna-Jet wheel for high powered runabouts from 135 hp at 3400 rpm, and up.



A Stewart-Warner Marine Speedometer...

tells your guests... how fast she'll go...
tells you... so much more!

Sure you want to see how far you can "wind her up," but to you, the skipper, a Stewart-Warner Marine Speedometer means a great deal more.

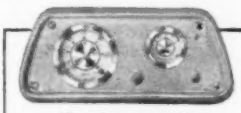
IT'S A SAFETY DEVICE—you *know* you're operating at a safe speed for conditions . . . you're sure of compliance with posted speed limits.

IT'S A NAVIGATOR—helps you maintain an accurate navigational track on long passages or in reduced visibility.

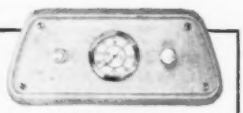
IT'S A CHECK ON YOUR ENGINE—helps you adjust for maximum performance . . . lets you get the most from your engine.

IT'S A PLEASURE—towing skiers . . . racing . . . or just cruising, a Stewart-Warner Marine Speedometer makes boating more fun.

Here's why Stewart-Warner is best. All brass construction . . . easy to install . . . calibrated in miles per hour and knots . . . two speed ranges for speeds up to 40 or 60 m.p.h. Available in five models . . . choice of blue or black dial facings . . . 2 19/32 or 3 11/32 inch dial sizes. Stewart-Warner—tops in quality and performance.



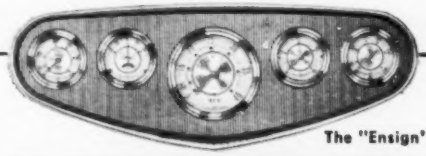
The "Commodore" No. 544A



The "Commodore" No. 544C

See your Stewart-Warner dealer for a complete line of instruments and panels. Stewart-Warner panels can be custom tailored to your particular needs . . . chrome or plastic finishes available.

Look for the Stewart-Warner booth at the New York, Chicago and San Francisco Boat Shows



The "Ensign"

Symbol of SW Excellence

INSTRUMENT DIVISION
STEWART-WARNER CORPORATION
1840 Diversey Parkway, Chicago 14, Illinois

G. B. MILLS CO.
1232 BENDER AVE.,
E. CLEVELAND 12, O.

LONG RANGE GAS TANKS

In models with 18 and 24 gallon capacities. Equipped with enclosed fuel gauge mounted as independent unit to prevent interference during refilling. Steel construction. Built-in baffles for stability in rough waters. Dimensions: 18-gal. tank, 27" x 17" x 11"; 24-gal. tank, 35" x 17" x 11". Connections for single or twin motors.

MUNCIE GEAR WKS.
MUNCIE, IND.

INBOARD-OUTBOARD DRIVE

"Flexidrive" transmission-and-propeller unit for mounting on boat transom, to provide certain advantages of both inboard and outboard power. Drive, power-lift, and steering units are contained in "Flexidrive", and a template for making the transom insert for the drive-shaft is supplied with each unit. For use with engines up to 75 HP. Weight, 85 lbs. Price, $499.50. Automatic lift cylinder and valve optional at $57.00 extra. A larger model capable of handling engines up to 120 HP to be in production early in 1959.

MURPHY DIESEL CO.
5317 W. BURNHAM ST.
MILWAUKEE 14, WIS.

M-5-110

A complete line of marine generator sets from 64 to 165 KW in AC or DC current models. Model M-5-110 is illustrated. These generators supply auxiliary electrical power for vital requirements on various marine applications. 26 models of auxiliary generators in four and six cylinder models are available.

NICSON ENGINEERING CO.
4546 E. WASHINGTON BLVD.,
LOS ANGELES, CALIF.

NICSON UNIVERSAL MARINE MANIFOLD

Designed to give more engine room with large volume of unrestricted exhaust flow. Water travels the full length of the manifold, preventing hot spots and air pockets. Supplied with 2" pipe threaded outlets, with 2½" outlets available without charge. In sizes for most popular engines, increases overall engine width by about 8".

NORSEMAN MARINE
OSHKOSH, WIS.

OUTBOARD "Z" DRIVE

"Z" drive combines inboard motor installation with an outboard drive, is designed for use on fast runabouts, family cruisers and utilities. Drive incorporates precision spiral bevel gears of hardened alloy steels. Engine and outboard drive are one unit. Reversing mechanism is built in. Boat is steered by outboard drive unit, not conventional rudder. Engine is 4-cylinder, 4-cycle, water-cooled unit that delivers up to 70 HP.

D. W. ONAN & SONS
MINNEAPOLIS, MINN.

VACU-FLO

A 5000 watt, air cooled electric plant equipped with a new system of air-cooling a below decks gasoline engine driven generator. The unit has been approved for this unusual installation when rigged in accordance with bulletin NFPA 302, file 300 Series Marine, Fire Protection Standards For Motor Craft, dated May, 1957. The "Vacu-Flo" feature provides for lower maintenance costs, easier installation plus ¼ to 1 HP equivalent of forced draft in the engine compartment. A complete line of conventionally water cooled models is also available.

LIGHTING PLANTS

A 3000 watt marine diesel powered generator for supplying varied electrical currents aboard yachts. Powered by a water cooled, single cylinder, 4 cycle full diesel. Available in 115 volt, 60 cycle; 115/230 volt, 60 cycle; combination 115 volt, 60 cycle and 32 volt DC for battery charging; and straight 32 volt DC. Other requirements on special order. Onan plants are now available with "Vacu-Flo" air cooling which eliminates the need for elaborate installation. May be mounted below decks where it both provides sufficient cooling for the unit and ventilates the bilge compartment with the equivalent of ⅓ HP of positive draft. A 10 kilowatt version powered with a Hercules DD149 water cooled 3 cylinder engine is also available.

ONEIDA MACHINE TOOL CORP.
320 E. WALNUT ST., ONEIDA, N. Y.

NOMAR TANK HOLDERS

Keeps fuel tank in place quietly; prevents damage to boat and tank; easy and quick tank removal; in neutral gray color with anchor screw holes. Models to fit popular makes of tanks. Prices from $5.75 to $6.50.

PANISH CONTROLS
191-203 BENNETT ST.,
BRIDGEPORT, CONN.

UNIVERSAL REPAIR FIXTURE

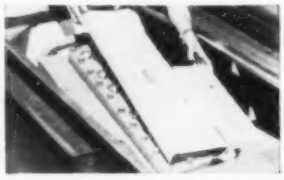
Repair fixture for outboard motors holds and positions motor being repaired, and allows it to be turned to any position while working lower and upper ends. Motor can be rotated 360° and moved away from work bench to allow access to all sides.

PARAGON GEAR WORKS
TAUNTON, MASS.

PARAGON GEARS

The H series of Paragon gears are suitable for all requirements up to 300 HP. A compact, highly efficient transmission equipped with anti-friction bearings throughout. Features full clutch-plate separation for positive neutral, reducing heating and creep. The H series is available in direct drive and reduction ratios of 1.5, 2, 2.5, and 3 to 1.

PEARCE SIMPSON, INC.
2295 N. W. 14TH ST., MIAMI 35, FLA.



TIFFINY SPARKSHIELDS

Shields engine to eliminate electrical noise in radiotelephone receiver. Simple to install, said not to affect engine performance. Available for most popular engine makes and models. Price, $39.50.

PENNSYLVANIA REFINING CO.
2686 LISBON RD., CLEVELAND 4, O.

GUMOUT TWO CYCLE ENGINE OIL

For outboard motors. Does not leave carbon deposit. Mixes with all gasolines. Price, 35¢ can. Also available: Gumout Fuel Mix that frees sticky valves, improves compression.

GUMOUT CARBURETOR CLEANER

For outboard motors. No need to take carburetor apart. Add to gas tank. Can be used with all types of 2- and 4-cycle engines. Price 89¢ can.

PETERSON BROS., INC.
P. O. BOX 51, STA. G,
JACKSONVILLE, FLA.

GATOR "SUPER" TEST TANK

Tests new large outboard engines as well as smaller models. Tank has 400 gal. capacity. Sold with or without hoist, safety winch, automatic brake, battery boxes, control panel mounts.

PLEWS OILER, INC.
MINNEAPOLIS, MINN.

PLEWS AP-202 PLASTIC GREASER

Greaser features push-button control, and three inch nozzle dispenses grease with pressure up to 3,000 lbs. P.S.I. Suitable for use on outboard motors, power lawn mowers, tractors or chain saws. Price: $2.69.

PLEWS AP-101 PLASTIC OILER

Oiler features seamless construction of Tenite Butyrate and has 4 oz. capacity, finger-tip plunger and removable base for filling. Price: $99.

GEAR CASE FILLER

Unit fills gear case of any outboard motor so that oil in the case is air bound. When top and bottom oil plugs have been removed, filler spout is butted against face of the lower fill hole, and hypoid is pumped into case to the level of the upper vent hole. While spout is in place, upper plug is secured, spout removed and lower plug with its gasket tightly installed. Price: $6.20.

RANDOLPH SHOE CO.
RANDOLPH, MASS.

RANDY BOATSHU

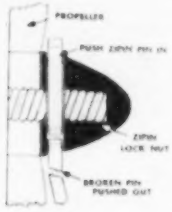
A deck shoe with a slip resistant sole which will not pick up sand. Comfortable cushion arch and insole. In an attractive four-color box illustrating rules of the road, international flag signals, buoy guides, chart abbreviations, and storm warnings, for paste-up reminders on-board.

RAY-O-VAC CO.
212 E. WASHINGTON,
MADISON 10, WISC.

N225 CONTINUITY TESTER

For testing motor hi-tension cables, mercury switches, switch cables, and start and choke switches on outboard and inboard motors. Heavy-duty flashlight has special end cap and attachable tester, equipped with a jack to plug unit into flashlight end cap. Can also be used for checking wiring, controls, circuits, fuses, grounds, shorts, broken wires, switches, limits, relays, motors and also for checking and setting contacts. Price, $6.75 complete.

ROCKLEDGE MACHINE WORKS, INC.
225 SO. 15TH ST.,
PHILADELPHIA 2, PA.



ZIPIN SHEAR PIN AND NUT

Device permits replacing of broken shear pins while motor is on transom, and without tools. New pin, when inserted, pushes out broken pin.

SAFETY INDUSTRIES ELECTRICAL DIV.
P. O. BOX 904, NEW HAVEN, CONN.

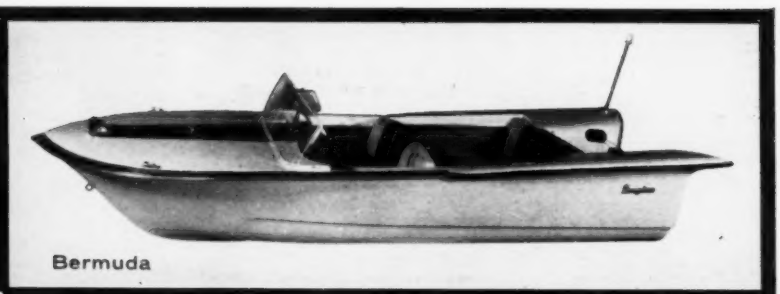
POWER SUPPLY SYSTEM

Semi-transistorized generator regulator assures quick re-

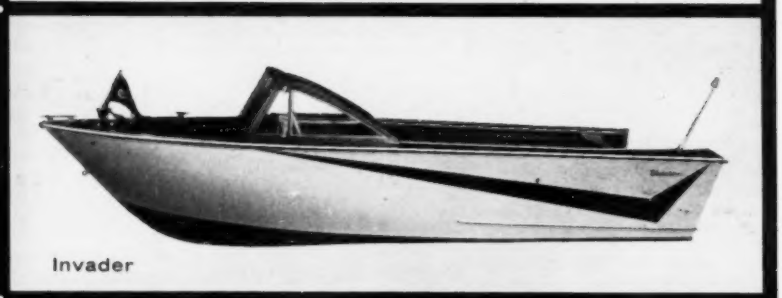
Own a Wagemaker

and move up in front of the fleet

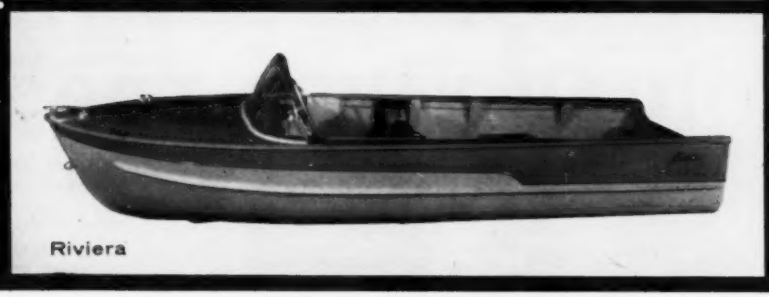
EMPIRE
fiberglass


Bermuda

WOLVERINE
molded plywood
molded Ply-Lap*
panel plywood


Invader

CADILLAC
aluminum


Riviera

*Registered

Admired, owned by experts for their beauty, performance and quality

Like a boat that moves as well as it looks? . . . then look into an Empire fiberglass, Wolverine molded plywood, molded Ply-Lap*, or a Cadillac aluminum. They're built for *boatmen* by *boatmen* . . . and seasoned outboarders know it! Step into one, hit the throttle and see how a fine hull feels when it comes alive with power, climbs out on top quickly and soars down the surface like a gull. Then put her hard over and feel it cutting around clean and effortlessly, rather than skidding or tripping. Man, you've got a boat, not just a bargain . . . and don't settle for anything less. You'll find the one for you at your Empire, Wolverine or Cadillac dealer's. Go see them — try them. They're built by Wagemaker . . . beautifully, ruggedly . . . for years and years of pure pleasure.

Wagemaker

567 Market Street, N. W., Grand Rapids 2, Michigan

sponse to load or speed changes in 25 kw, 125 volt DC generating and control system for drive by diesel engines or other drag units. Separate exciter is used with regulator to accomplish rapid response of the system.

SAVAGE UNIVERSAL BRACKET CO.
NORWELL, MICH.

SAVAGE UNIVERSAL BRACKETS

For mounting any outboard motor on yacht, cruiser, or auxiliary. Does not mar finish of boat; no fire hazard; prevents fuel from dripping in boat; no spill when refilling. In adjustable or fixed angles from $18 to $50 for extra heavy motors. Also available: Canoe Bracket for all motors not over 2½ HP. Price, $15.

SCHAVER MFG. CORP.
4500 ALPINE AVE., CINCINNATI 42, O.

K312 BATTERY CHARGER

Use in electric-starting outboard and other motors. Recharges 12-volt batteries at a 3 ampere rate. Weight, 4½ lbs. Price, $14.95.

B3612 BATTERY CHARGER

Similar to K312, but also recharges 6-volt batteries at a 6 ampere rate, and has dial ammeter to indicate exact rate of charge entering the battery. Price $28.95.

MR-1, MR-2 POWER PACK

Portable battery case with built-in battery charger for operating electric-starting outboard motors. Model MR-1 for 6-volt batteries, price $29.50; Model MR-2 for 12-volt batteries, price $31.

SEN-DURE PRODUCTS
BAY SHORE, L. I., N. Y.

COOLING SYSTEMS

Use fresh (non-saline) water, can be used with any engine; in cold weather may be used with a non-freeze mixture without need for draining. Also available: galley water heater, takes heat from engine stream; centrifugal pump designed for heat exchangers; oil coolers for most engines; and accessories. Free illustrated catalog available.

SINKO MFG. & TOOL CO.
7310 W. WILSON AVE.,
CHICAGO 31, ILL.

"SEA GUARD" BATTERY CASE

Case is designed for outboards

and is constructed of Marlex polyethylene, impervious to battery acids, salt air and corrosion. Case is 8¼"x13½"x10½" and will hold all standard 6 and 12 volt marine batteries.

ALVA T. SMITH CO.
BOX 36, THIENSVILLE, WIS.

LONG RANGE GAS TANK

Tank holds 12 gallons of gas plus oil, and can be used with any outboard motor having a fuel pump and single hose fuel system. Steel tank has welded seam construction and may be installed permanently or semi-permanently. Features include spring-loaded nonsplash Eaton filler cap, Rochester float type fuel gauge, all-around rubber bumper and copper-plated steel fuel line with fine mesh cover to assure clean fuel. Price, $34.95.

THOS. S. STALEY
RT. I, BOX 196, EAGLE PT., ORE.

JACKASS LIFTER-UPPER

Moves outboard motor up-down for traversing shallows, rapids while underway. Detachable.

STERLING BOAT TRAILERS
BOX 264, NEW GARDEN RD.,
SALEM, ORE.

MOTOR TEST TANK

Steel test tank for larger as well as smaller outboard motors. Fumes may be directed through duct pipe opening. Battery pockets in front; water intake and outlets conveniently located. Anti-cavitation baffles for water stabilization, angled transom board, pulley with winch control.

STICKELL MARINE PROD.
BALTIMORE, MD.

SHORE CONVERTERS

Change 115 v AC to two independent boat power circuits; one operates lights, the other charges batteries. All 25 models in line feature automatic circuit breakers. Priced from $112.50.

SUDBURY LABORATORY
SUDBURY, MASS.

CONTROL CASING

Non-corrosive, permanently lubricated, waterproof and oil-proof casing will not stretch or kink. Available in 100 ft. rolls, and in stock lengths of 7', 10' and 15' complete. Chrome choke handles are available.

VAPOR-PROOF SWITCH

Switch prevents explosions caused by sparks from open switches, and is available in three models. Double-pole, double-throw model for flush mounting with terminals entering through bulkhead for connection on opposite side; or with stand-off blocks where connections are brought in behind switch. Double-pole switches are for use with 2-battery installations. Prices: $7.95 and $17.95.

SWEINHART ELECTRIC CO.
SEAPOWER DIVISION
2900 E. OLYMPIC BLVD.
LOS ANGELES 23, CALIF.

SEAPOWER 150 HP OUTDRIVE

Outdrive is outboard transmission to operate either a marine or converted industrial or automotive engine rated at 150 HP or 200 ft. lbs. of torque at 3400 rpm. Outdrive is composed of two units, main gear case that holds transmission gears and propeller, and the permanent mounting plate that affixes to the boat transom. Propeller can be used in pull or push position, and acts as rudder and does all the steering.

TELEFLEX, INC.
CHURCH RD., NORTH WALES, PA.

PUSH BUTTON SHIFTING

Helmsman pushbutton power shifting controls shift forward or reverse engine instantly. Console can be mounted on dashboard or wheel box, with multi-station control available for larger boats. Interlocks prevent pushing more than one button at a time. Kits are complete with all components, wiring, hardware and fitting, with power units available for either 6 volt or 12-volt electrical systems.

TEMPO MARINE PRODUCTS
2062 E. 70 ST.
CLEVELAND 3, OHIO

"L-O-N-G CRUISE" FUEL TANKS

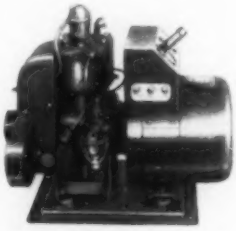
Eight models of welded steel fuel tanks in 12 and 18 gallon sizes. Can be converted for permanent use. Provision for attaching remote gauge. Vacuum outboard type, suited for high HP motors. Provision for twin installations and venting. Also available: spray enamels for engines and trailers, outboard motor tune-up mixture.

TERADO CO.
1068 RAYMOND AVE.
ST. PAUL 14, MINN.

TRAV-ELECTRIC INVERTERS

These units change battery current (6 or 12 v) to 110 v AC for the operation of electrical appliances such as electric shavers, record players, electric drills, portable TV. Available in 4 models.

UNIVERSAL MOTOR CO.
OSHKOSH, WIS.



LIGHT PLANTS

A complete line of diesel water cooled marine lighting plants are featured by Universal. Capacities range from 10 to 35 KW. Generators feature high KW output, a wide range of voltages and flexible control installation. Illustrated is the 12 volt fresh water-cooled model. Also a complete selection of air or radiator cooled gasoline lighting plants from 250 to 12,000 watts with battery chargers in all standard AC & DC voltages. Engineered to fit below decks and comply with strictest marine safety requirements.

now . . . the news that thousands awaited!

RCA RADIO-PHONE shown above with microphone, approximately half size, is 9" high, 7" wide, 5" deep—weighs only 8 lbs.

RCA's sensational new Radio-phone

NEW LOW-COST 2-WAY RADIO

for outboard and other pleasure boats

It's the RCA RADIO-PHONE, a compact, low-cost, portable 2-Way Radio designed by RCA specially for the outboarder. Ideal for conversation between your boat and the shore, home, yacht club, marina, for more boating fun and convenience. And it's available at a price anyone can afford.

The RADIO-PHONE features a powerful 5-watt transmitter with a range of several miles and the ability to "reach around" intervening buildings, trees and other blocks in the signal's path. The highly sensitive receiver is designed to hold ignition and other types of interference to a minimum. Available for operation from either 6- or 12-volt battery. Both models also operate from standard house current. Other features include a push-to-talk button on the combination microphone/speaker, a detachable telescoping rod antenna, and retractable carrying handle.

Transmitting on the newly assigned Citizens' Band, (27 megacycles) this RCA quality 2-Way Radio is excellent for personal conversations not permitted on other frequencies. Attractive two-tone blue case adds a touch of beauty to your boat.

Make a date now to see this exciting, low-cost outboard electronic equipment at your RCA Radiomarine Dealer! Or mail coupon below for further facts.

RCA

Radiomarine

SEE THE RADIO-PHONE AND OTHER EXCITING NEW RCA PRODUCTS AT THE NEW YORK BOAT SHOW!

RADIO CORPORATION of AMERICA

RADIOMARINE PRODUCTS

Camden, N. J.

Tmk(s) ®

RADIO CORPORATION OF AMERICA
Radiomarine Products, Dept. P-345
Building 15-1, Camden, N. J.

I'm definitely interested in the new RCA Radio-phone 2-Way Radio—rush all available information!

NAME _____

ADDRESS _____

CITY _____ ZONE _____ STATE _____

CRUISE WITH CONFIDENCE

Be A Yachtsman Who "Really Knows His Way Around!"

A copy of the Inland Waterway Guide covering the waters you are cruising will tell you where to go . . . how to get there . . . . where to stay . . . what to see . . . where to get fuel, supplies and repairs — PLUS special features and photographs about places, people and things especially interesting to yachtsmen. Because the GUIDE is published in three volumes and revised every year, it is always up to date!

NORTHERN EDITION: Inland and protected waterways from Boothbay Harbor, Me., south to Hampton and Richmond, Va. 1959 EDITION. BRAND NEW!

SOUTHERN EDITION: From Norfolk south through Florida (both coasts), the Keys and the "short cut" from Stuart to Fort Myers and as far west as New Orleans. 1959 EDITION!

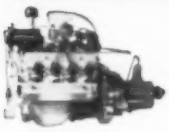
GREAT LAKES EDITION: North from New York to Lake Champlain and Port Huron via the Hudson River and connecting waterways, plus both shores of lakes Erie and Ontario. 1959 EDITION. BRAND NEW!

ALL THREE EDITIONS LIST OUTBOARD IN-AND-OUT FACILITIES
Sold at Book Stores, Marinas and Marine Supply Stores, U. S. Coast & Geodetic Chart Agents or by Mail (Postpaid) for Only $1.50 Per Edition

1959 Northern and Southern Editions bound together in leatherette $5 **Your name or name of boat in gold $1**

INLAND WATERWAY GUIDE
25 P W. BROWARD BOULEVARD — FORT LAUDERDALE FLORIDA

STOKES *Amazingly Low Priced*
INBOARD MARINE ENGINES



145 HP PLYMOUTH V-8
At left—Famous Plymouth engine, completely rebuilt and marine converted with all new components. Ready to install; ideal for salt or fresh water use. Complete **$650.00**

100 HP FORD V-8 at $450.00. 61 HP JEEP Engine at $395.00. 75 HP WILLYS at $395.00 And—Many others!

145 HP CHEVROLET V-8
At right—Regular proven Chevrolet V-8 engine, fully rebuilt and marine converted, all new parts. Ready to install and run. Complete **$650.00**

BIG SAVINGS—On complete Conversion Kits and Reverse Gears for many makes of auto engines. Low prices on hardware, paints, fittings, and all sorts of marine equipment. Write for FREE CATALOG today!

STOKES Marine Supply Co. DEPT. E COLDWATER, MICH.

CHETEK LAPSTRAKE BOATS
BIG!...NEW! 19½ foot Regal Contessa

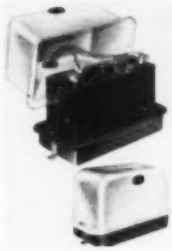
COMPLETE FLEET FOR '59

Now with the addition of the big, new 19½ foot Regal Contessa there's a safe size and model for every family.

CHETEK family Boats are deeper, wider, longer . . . more comfortable to move around in . . . more rugged to support today's powerful motors . . . more seaworthy in rough water . . . more beautiful in design and finish. See complete line, Chicago Boat Show or write for brochure to

CHETEK BOATS
47 Devre Road • CHETEK, WIS.

UMCO CORP.
SPRING PARK, MINN.



BATTERY BOX

B2 Royalite battery box is designed to protect batteries in outboard boats against damage due to water and corrosion. Takes standard or oversized 6 or 12 volt batteries. Case is impervious to salt water, gasoline, oil and acids. Price, $8.95.

VAC-U-MATIC CORP.
146 MOTT ST., OCEANSIDE, N. Y.

GERSHEL REMOTE CONTROLS

Four types of remote clutch and throttle controls which operate on vacuum power via a single tube off the intake manifold. No electrical or secondary hookups required. Operates on the same principle as power brakes. Prices start at $69.50.

VOLVO IMPORTS, INC.
452 HUDSON TERRACE
ENGLEWOOD CLIFFS, N. J.

"VOLVO AQUAMATIC" DRIVE

A flexible inboard-outboard drive which mounts on the transom and features "outboard tilt protection." See Marine Engines section, Volvo Marine Engines.

WALKER MARKETING CORP.
RACINE, WIS.

OIL FILTER CARTRIDGE

New filter employing exclusive materials and 2 stage filtering action. Designed for modern engines with high temperatures and greater bearing loads. Available for most filter sizes, may be used as replacement of present single stage cartridges.

WALTER MACHINE CO.
84-89 CAMBRIDGE AVE.
JERSEY CITY 7, N. J.

SAFE-WAY PROPELLER PULLER

Unit is slipped over propeller when shaft nut has been backed off a few turns, and tightened until wheel is loose. Puller exerts force against backed-off nut and when evenly tightened will not bend or damage shaft. Propellers can be removed while boat is in the water. Available in several sizes, pullers can handle up to 50" propeller and 4" shaft. Combination puller is made to handle four- and five-blade propellers, as well as three-bladed units.

REDUCTION GEARS

Heavy duty gear unit allows engine to be set in level position. Front section contains built-in double universal joint. Made in two sizes, and is suitable for engines up to 200 HP. Special step-up ratios available at extra cost.

WESTERN BLOWER CO.
1800 AIRPORT WAY
SEATTLE, WASH.

FRESH WATER HEATER

"Galley Maid" heater uses engine circulating water. Made of monel shell, copper tubes. MFR., Western Blower Co.,

WICO ELECTRIC CO.
DIVISION OF GLOBE-UNION, INC.
WEST SPRINGFIELD, MASS.

OUTBOARD MAGNETO PARTS

Complete assortment of points and condensers used on outboard motors.

WILCOX-CRITTENDEN, DIV.
NORTH & JUDD MFG. CO.
MIDDLETOWN, CONN.

EXHAUST GAS ELIMINATOR

Prevents fumes from being blown back into boat. Fits on exhaust pipe, uses water from engine pump or another pump to envelope fumes.

WILLARD STORAGE BATTERY
246-286 EAST 131 ST.
CLEVELAND, OHIO

12-VOLT POWER PACK

For use with 12 v electric starting outboard motors. A 12' charging lead connects to any 110 v, 60 cycle AC outlet for dock side charging. Tool compartment and a standard outlet on the side. Weight is 55 lbs., will provide running lights for 15 hours.

WINDSOR MACHINE PRODUCTS
WINDSOR, VT.

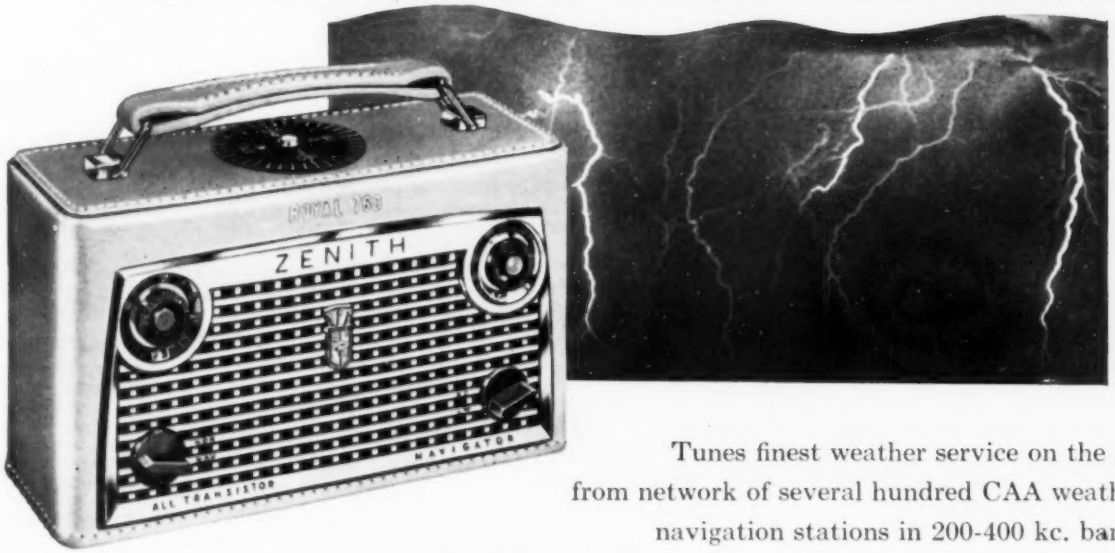
MOTRLOK REGULAR

Made of thick-walled welded

NEW ZENITH NAVIGATOR®

Super-sensitive
2-band
all-transistor
portable

RECEIVES STORM WARNINGS



Tunes finest weather service on the air from network of several hundred CAA weather navigation stations in 200-400 kc. band.

ALSO . . . SELF POWERED STAND-BY NAVIGATION INSTRUMENT

Now you can safeguard yourself with the same advance weather information aviation pilots utilize. Every thirty minutes, each CAA weather station gives weather conditions at that station and other cities in the surrounding area to give the complete weather picture. Data broadcast includes wind direction and velocity, temperature, visibility, barometric pressure, etc. Also flash warnings of dangerous weather within 200 miles.

As a self-powered navigation instrument, homes on broadcast stations, CAA range and Coast Guard stations and beacons, with sharp nulls to guide you to harbor or give an accurate area "fix" by cross bearings, even in dense fog or when out of sight of land.

Entertaining too, the Navigator® gives outstanding reception of standard broadcasts. Operates up to 350 hours on flashlight batteries. Two ferrite plate-type antennas, tuned RF stage and 3-gang condenser for superior selectivity and sensitivity, and minimum broadcast interference on LF band. Four-inch Alnico 5 speaker and push-pull audio give superior tone quality and adequate volume in most any craft. Earphones at extra cost. Genuine top grain cowhide cabinet; metal grille. The Royal 760, only $99.95*.

See your nearest Zenith Dealer

ZENITH

Zenith Radio Corp.
Dept. NA,
Chicago 39, Illinois

The Royalty of television, stereophonic high fidelity instruments, phonographs, radios and hearing aids. 40 years of leadership in radionics exclusively. **Manufacturer's suggested retail price without batteries.*

ZENITH

The quality goes in before the name goes on

tubing, locks are cadmium plated and designed to fit all motors with cast type handles, with rubber conversion insert optional for small motors with pin-type handles. Also available is Motriok 25 model for 25 HP outboards with rubber safety bumper.

MOTRLOK "55"

It fits Mercury Mark Models 75, 55, 40, 25 and 20, and it is priced at $8.95. Slides over the motor's handles, locks them. Holds motor in place while boat is being trailered. Made of welded tubing and are cadmium plated. There is one lock duplication in every 250 Motrloks made.

YALE ENGINEERING CO.
900 N. FRANKLIN ST.
CHICAGO 10, ILL.

MUFFLER CEMENT

Seals, repairs, insulates muffler and exhaust systems. Applied directly, hardens into heat-proof, water and rust resistant, gas-tight seal. Especially for insulating hard-to-get-at places. Price for 6-oz. tube, 98¢.

ENGINE OVERHAUL LIQUID

Stop oil burning, prolongs engine life. Prevents change of oil thickness with changes in temperature. Increases engine power, gives more gas mileage, reduces engines noises. Price, $1.95 quart.

METERS & GAUGES

AIRGUIDE INST. CO.
2210 WABANSIA AVE.
CHICAGO 47, ILL.

No. 710 SPEEDOMETER

Dial face diameter, 3". Speed range is from 0 to 45 mph. This back-connected, flush-mounting instrument contains Airguide Contralog* movement. Price, $10.95.
*Registered.

MODEL 850 SPEEDOMETER SET

"Sea Speed" marine speedometer set with 45 mph surface mount, complete with tubing, hardware. Chrome plated case, 3" red and black dial with white details and pointer. Price, $9.95. Also available: model 851 for flush mounting at $9.95, and model 852-S panel set with holes for start and choke buttons and switches, priced at $15.

Nos. 701, 702, 703 SPEEDOMETERS

All have 3" dial face diameter. Speed ranges, 701, 0 to 30 mph, also 0 to 26 knots; 702, 0 to 45 mph, and 703, 0 to 75 mph. Each instrument contains Airguide Contralog* movement and dials calibrated to 1 mph. Guaranteed by manufacturer. Price, $8.95.
*Registered.

No. 707 DOLPHIN SPEEDOMETER

Dial face diameter, 3". Speed range is from 3 to 45 mph.

This speedometer features illuminated dial and has Airguide Contralog* movement. It mounts on deck and has streamlined appearance. Guaranteed by manufacturer. Price, $15.00.
*Registered.

Nos. 708S & 708D SPEEDOMETER PANELS

Dial face diameters 3" in 10⅞" wide panels, both in a speed range from 0 to 45 mph. These instruments contain Airguide Contralog* movements. 708S has access for switches for single motor and lights, while 708D has access for switches for dual engines and lights. Prices, 708S, $15; 708D, $16.
*Registered.

No. 709 SPEEDOMETERS

Dial face diameter, 3". Speed range is from 0 to 45 mph. This instrument has back-connected flange mounting

and contains Airguide Contralog* movement. Dial reads in 1 mph graduations. Guaranteed by manufacturer. Price, $8.95.
*Registered.

BENDIX AVIATION CORP.
8211 LANKERSHIM BLVD.
N. HOLLYWOOD, CALIF.

OUTBOARD TACHOMETER

An accurate, self-energizing instrument which can be attached to any outboard motor. Operates from impulses taken from primary, low tension side of magneto, and will not affect engine operation. Prices: Model A, 0 to 8000 rpm, $39.95; Model C, 0 to 6000 rpm (for 1, 2 and 4 cyl. except Mercury 4 cyl.), $39.95; Model B, 0 to 8000 rpm, $41.95; Model D, 0 to 6000 rpm (for 4 cyl. Mercury), $41.95, and Model E, 0 to 8000 rpm (for 6 cyl. Mercury), $45.
MFR., Pacific Division, Bendix Aviation Corp.

JAMES G. BIDDLE CO.
1316 ARCH ST.
PHILADELPHIA, PA.

FRAHM HAND TACHOMETER

Available in single and double row models for hand or permanent mounting use, in a variety of ranges. Requires no contact with the loading element. The tuned reeds are inherently stable and operate without drift under normal conditions. Prices start at $27.

BONI CO.
BRISTOL, INDIANA

TWIN TACHOMETERS

Both single and twin tachometers are available with a choice of signal pick-up systems suitable for use on any marine engine. A new feature is an epoxy resin capsule mounted on the meter terminals, to exclude moisture and simplify installation on both inboard and outboard powered craft. Precision Models with ½ of 1% accuracy are priced at $103 for twin installation; $52.50 for single engine tachs. Utility Models with a maximum error of not over 2% are priced at $84.50 for the twin; $42.50 for the single tach.

CELLUPLASTIC CORP.
NEWARK, N. J.

CLEARSITE BATTERY GAUGE

Plastic vent cap for 12 volt lead acid storage batteries features a colored float in a clear plastic dome that tells at a glance whether cell needs water or not. To install, remove standard cap and screw in the battery gauge. Baffle action prevents spillage of electrolyte due to boat motion. Price per set of six, $1.98.

CROWELL DESIGNS, INC.
P. O. BOX 21, 2106 BRIDGE AVE.
POINT PLEASANT, N. J.

CROWELL DESIGNS

RUDDER ANGLE INDICATOR

Consists of receiving and sending units. Receiving unit matches standard marine instruments and is 2¼" in diameter with a heavily chrome-plated brass case. Sending unit is housed in bronze casting and is completely watertight. Available for single and dual stations. Price, $35 to $52.50 depending on voltage.

ELECTRO-VOICE, INC.
BUCHANAN, MICH.

TACHOMETERS

"Synchro-Tac" and "Electro-Tac" models for single and dual motors, outboard and inboard. Designed to operate without batteries or connections to ignition; intended to cut motor wear and fuel consumption. Said to have simple and accurate calibration characteristics. Priced from $24.50 to $49.50.

TACHOMETERS

Line includes instruments for dual and single outboard and inboard installations, and gives readings from 0-6000 rpm and 0-8000 rpm. Features include chrome-plated brass cases, surface or flush mounts and translucent dials with lights for night readings. All models are accurate within two per cent. Prices: from $24.50 to $49.50.

THOMAS G. FARIA CO.
13 JOYCE ST., NIANTIC, CONN.

ELECTRIC TACHOMETER

Marine electric tachometer is a self-contained unit with chromium-plated brass flange 3 5/16" in diameter and a waterproof, silvered anodized aluminum case. Dial is translucent with a red pointer and built-in lamp, with readings from 0-4000, 0-5000 and 0-6000 rpm. Price: $29.95, with brackets and fastenings.

FEDERAL MARINE MOTORS
CHICAGO 19, ILL.

TACHOMETER SYNCHRONIZER

Single electric tachometer is connected to both engines in dual installation. Engines are synchronized by setting switch for one engine, running engine up to desired rpm, then setting switch for second engine, and adjusting throttle to get the same rpm. Available in several scale ranges.

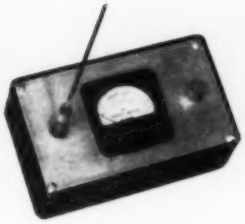
ELECTRIC TACHOMETER

Measures spark impulses and translates to R.P.M. Accurate to 2%, does not affect engine's ignition system. Weather and corrosion resistant. The same tachometer may be used on twin engines. Requires no special cables. Can be used with remote controlled outboard motors.

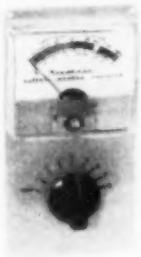
HEATH CO.
BENTON HARBOR, MICH.

RF POWER METER KIT

Heathkit Model PM-1, a device to sample the r.f. field in the vicinity of a transmitter.

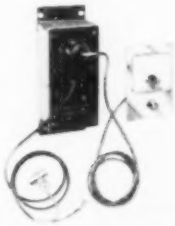


No batteries, electricity, or direct communication to transmitter required. Detects power drop off. Operates with transmitters of output frequency between 100 kc and 250 megacycles, regardless of power. Sensitivity is 0.3 v RMS full scale, with a control on the panel for adjustment. Meter is a 20 ua. unit, mounted on a chrome plated brass panel. Measures 3¾" wide, 6¼" long, 2" deep. Price, $14.95.



CHARGE INDICATOR

Heathkit Model C1-1 battery charge indicator which replaces the hydrometer and eliminates working with acids inside the boat. Dimensions 2⅞" wide, 5 11/16" high, 2" deep. Operates on 6 and 12 volt systems using lead-acid batteries. Price, $16.95.



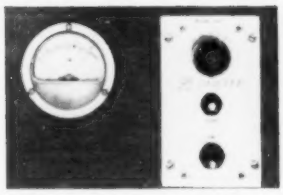
TACHOMETER KIT

For use in inboard and outboard boats and cars. The TI-1 operates directly from engine's spark impulse. May be used on any spark ignited 2 or 4 cycle engine of any number of cylinders. Transistorized; operates on 6, 8, 12, 24, or 32 volt DC systems. Indicator reads rpm's from 0 to 6,000. Calibration control permits easy adjustment to engine type. Requires simple attachment of special clamp to ignition coil leads.

JOHNSON-WILLIAMS, INC.
P. O. BOX 307, STA. A.
PALO ALTO, CALIF.

"SNIFFER" GAS DETECTOR

Detector designed to reveal



the presence of explosive fumes. Available in models with and without automatic alarm.

GAS FUME INDICATOR

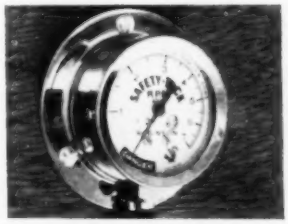
Provides a reading of gasoline and butane fume concentration from six detector locations.

MINE SAFETY APPLIANCES CO.
201 N. BRADDOCK AVE.
PITTSBURGH 8, PA.

EXPLOSIMETER MODEL 2

Instrument shows gas concentration at location of the sampling line inlet; where combustible gases are present, concentrations are immediately readable on the indicating meter. Instrument measures concentrations of gases and vapors below and indicates the presence of concentrations within or above the explosive range. Features include one-hand operation, built-in filter chamber, spare filament, on-off signal bar, one-piece flow system and separate battery compartment. Also available in other models.

ROBINSON MARINA
BOX 904, EVERETT, WASH.



SAFETY-TACK TACHOMETER

Outboard motor tachometer features operating principle that warns of water-pump clogging or failure, enabling operator to cut motor before damage is caused by overheating. Tachometer works off water-pump pressure. Two models available for motors with and without thermostats. Price, $24.95.

SEATRONICS, INC.
1030 YORK RD., TOWSON 4, MD.

SEATRONIC ELECTRONIC TACHOMETER

For all marine engines, inboard and outboard. Measures

rpm up to 200 ft. from the engine. Does not use batteries, mechanical cables, moving parts, or vibrators. Does not interfere with engine performance and ship-to-shore communications. Salt water protected. Will not affect magnetic compass, is itself unaffected by magnetic fields.

SMITHS INDUSTRIAL INSTRUMENTS, LTD.
FREDERICK GOERTZ, LTD.
VANCOUVER, B. C.

SMITHS SPEEDOMETERS

Models give dual readings in knots and mph, and are complete with tubing and Pitot head. All have 3" dial face diameters. Available ranges include 0 to 10, 0 to 35, 0 to 45 and 0 to 70 knots (and mph equivalent).

NEW ANNOUNCEMENTS

ALGONAC FOUNDRY CO.
ALGONAC, MICH.

BILGE EXHAUST BLOWER

Bilge exhaust blower uses 1/20 HP motor of 3.1 amps and can move 67 cu. ft. per minute. Cast aluminum housing is acid- and corrosion-resistant finished. Company also offers bow and stern lights and other marine equipment.

AMERICAN TELEVISION & RADIO CO.
ST. PAUL, MINN.

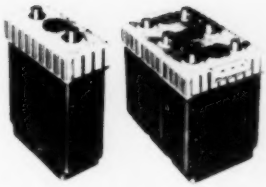
ATR INVERTERS

Portable inverter changes 6-12 volts DC to 110 volts 60 cycle AC, with 60 watts continuous output (80 watts peak). 8⅜" x 8" x 3¾", weight 12 lbs. Other models are available for converting up to 110 volts DC to AC with up to 150 watts peak, 100 watts continuous. Not recommended for operating motor-driven or high wattage appliances, such as refrigerators or toasters. Are specially designed for operating radios, amplifiers, and most small devices. Priced from $19.95.

AUT-O-CEL CO.
BOX 220, DES MOINES, IOWA

AUT-O-CEL BATTERY

Features plastic cell units



which combine with other units to form batteries of any standard size, shape, or voltage. Individual cells may be replaced, allowing the user to retain the cells that are still good. Each cell is guaranteed to 40 months. Brackets are corrosion-proof plastic, cases are acid and temperature resistant plastic that permit cooler operation and less water evaporation. Spare cells may be carried for emergency change.

BORG-WARNER CORP.
LOS ANGELES, CALIF.

MARINE BEARINGS

Water-lubricated and rubber-lined bearings designed for 4½", 5", and 5¾" shafts. Reduces abrasive shaft action, absorbs noise and vibration.

THE BRINKTON CO.
710 N. 4TH ST.
MINNEAPOLIS 11, MINN.

MOTOR CARRIER

Tubular carrier handles large HP motors. Dual wheels with semi-pneumatic tires. Details and prices on request.

COLE-HERSEE CO.
20 OLD COLONY AVE.,
BOSTON 27, MASS.

M626 SWITCH

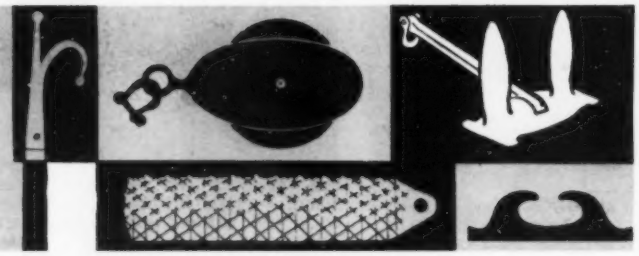
Heavy-duty weatherproof all-brass push-button starter switch featuring a rubber cap that seals out dust and moisture. Especially suited for open boats where weather conditions may become severe. Can be used with 24, 12, and 6 volt systems.

ENGELHARD INDUSTRIES
EAST NEWARK, NEW JERSEY

CAPAC ANTI-CORROSION DEVICE

The "Capac" system for anti-corrosive protection of steel hulls, utilizes a new concept developed at the Corrosion Testing Center of the International Nickel Co. Current from the ship's batteries is used to neutralize stray galvanic currents generated by dissimilar metals in a sea water electrolyte. The unit drains only fractional amperes, adjusts automatically to different service requirements, and is maintenance free.

HARDWARE & FITTINGS



THE FABRICATION of marine hardware and fittings is specialized business that utilizes specialized "sea-going" materials, and there is a great range of products manufactured today to make boating more comfortable, safer, and more efficient. The yachtsman who tries to substitute house hardware for marine hardware, will find that the saving is a purely imaginary one, and that inferior fittings just won't stand up to the mechanical stress and corrosive action sea service entails. The sailboat man who rigs his boat with shore-duty blocks saves on the initial outlay, but may find the ultimate price to be a new set of sails, or even a lost boat. Naval bronze fittings cost money, but will give the boat owner years of trouble-free service and will pay for themselves in avoidance of replacement costs.

FITTINGS FOR SAFETY'S SAKE

Some marine fittings are for the sake of convenience, some are necessities the prudent man can't do without. Every through-hull fitting, toilet intake and outlet, and engine cooling water intake, should be fitted with a marine seacock so that the opening can be positively closed in the event of an emergency. A cowl ventilator or motor driven forced-draft ventilator should lead into confined engine room quarters to dissipate dangerous gasoline fumes. Fuel and fresh-water-fill openings can be jerry-built and home-made, or they can be water-tight, fool-proof castings made by marine engineers with a full knowledge of the punishment the sea deals out—the boat owner must let his conscience be his guide.

FITTINGS FOR COMFORT AND EFFICIENCY

A great deal of the cruising man's time is spent in the cabin of his boat, and a cabin that is unliveable can spoil days afloat. Cabin lamps for reading, a workable stove, ashtrays, and insect screens contribute to pleasant boating. A small winch or two well placed on deck can make sail handling an effortless maneuver, rather than an ordeal. If you are a single-hander, roller-reefing gear on boom and jib can be as valuable as an extra hand on the foredeck. If maintenance time is limited, new nylon or synthetic deck hardware may prove to be the answer to your worries. For motor cruisers with low toe-rails, stock pulpits made of stainless steel are available to provide security for the man forward handling the anchor. A boathook is an inexpensive item, but can be a boon to the crew member whose job it is to retrieve the mooring buoy.

ANCHORS AND MOORINGS

The man who entrusts his boat to the holding power of an old engine block on the end of a piece of second hand chain is inviting trouble. Boatowners who will spend freely on chrome plated whistles and gadgets, sometimes go into convulsions at the thought of spending $100 for an adequate mushroom anchor and proof-tested galvanized chain to keep their investment safe. There are anchors and anchors, and the yachtsman should check with experienced boatmen in his area to find out what design has proved most successful in his home waters. Unless your boat is a small outboard which is removed from the water and trailered after each day's sail, a spare anchor should be an indispensible item of inventory. Spare shackles, anchor keys, turnbuckles, and an assortment of bolts, screws and washers should be kept in a readily accessible waterproof container aboard every boat.

WHERE TO FIND IT

Many manufacturers of marine hardware offer cost-free catalogues of their products. Your local marine store or dealer will be glad to let you thumb through the giant catalogues of the marine houses that supply his merchandise. You will note many items that will fill the bill for those little jobs you've planned to do, and new ideas will suggest themselves to you as you go along. Many a boatman has learned tricks of seamanship by studying the marine catalogs during the long winter months. In addition to the standard items, there are special fittings designed to do more than one job at a time. They make it easier and more pleasant to handle your craft, taking over a share of the work and leaving you free to enjoy more of the fun of boating. Combination fittings, like the block and jamb cleat built as a unit for handling the main sheet of a small sailboat, can help take the sting out of a hard beat to windward and let you relax and enjoy the feel of the wind. In this section of the Directory you will find a representative listing of marine ware and fittings.

CHECK LIST FOR HARDWARE AND FITTINGS

- ☐ **Are you using the right hardware and fittings for the right job?**
- ☐ **Are cleats and fairleads heavy enough, and securely through-bolted to hold your boat in a severe blow?**
- ☐ **Have you checked the fabric of your life preservers for rips and dry rot?**
- ☐ **Cabin fittings that break loose in heavy seas can cause damage to boat and crew. Are yours securely fastened?**

ANCHORS AND MOORINGS

- ☐ **Is your ground tackle suited to the bottom where you operate? Sometimes a kedge anchor will hold better than a patent anchor in kelp or rocky bottom.**
- ☐ **Is your anchor heavy enough for all the conditions of wind and weather you are likely to encounter? Do you carry a spare?**
- ☐ **Spare anchor keys and shackles are cheap. Do you carry them?**
- ☐ **Have you marked off your anchor lines so that you know how much scope is out? The holding power of an anchor is proportionate to the amount of scope run out.**

HANDY EQUIPMENT

- ☐ **Do you have a permanently mounted bilge pump, and do you frequently check its operation?**
- ☐ **Docking fenders are a nuisance to stow, but can save dollars expended on topsides paint. Do you have an adequate supply?**
- ☐ **"Fully found" is an old phrase that describes a boat well equipped for comfort, and safety, not lacking in any essential equipment. Does your boat qualify?**

ALGONQUIN CO.
MARINE HARDWARE DIV.
COLUMBIA AVE. AND HANCOCK ST.
PHILADELPHIA 22, PA.

DECK AND HULL HARDWARE

A full line of deck and hull fittings in a variety of brass and bronze alloys. Custom fittings of special design also available.

ATTWOOD BRASS WORKS
GRAND RAPIDS, MICH.

SEAFLITE PULLEYS

2" nylon coaming pulley for fiberglass boats and 2" ball bearing swivel pulley for steering. Each pulley has load capacity of over 100 lbs. The nylon pulley is made for running a tow line through the motor well of a fiberglass boat; the ball bearing pulley is recommended for high horsepower outboard engines.

STAINLESS STEEL PULLEYS

Stainless steel pulleys have a 2½" diameter nylon sheave—2" from rope through to rope through. Also available with white nylon sheaves of the same size.

BARKER MFG. CO.
HONEOYE FALLS, N. Y.

BOARDING LADDER

Floating ladder available in 2, 3, or 4 step models. Construction: aluminum tubing, marine varnish finished hardwood steps. Folds for stowage. Additional information on request.

BOAT NAMES CO.
426 W. 5th ST. KANSAS CITY, MO.

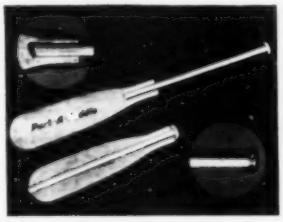
LETTERS & NUMBERS

Do it yourself lettering for boats and other applications. 1½" size, 10¢; 3" size, 25¢. Script letters also available, 3" high, in bronze, $1.25 per letter.

POLYETHYLENE FOAM BOAT FENDERS

Flexible, mildew and rot resistant, weather resistant fenders. Will not soak up water. Adjustable for special

needs. In four sizes, priced from $1.75 to $3.50.



PORT-A-PADDLE

Collapsible paddles designed for easy storage. Pulls out to 4'3". Waterproof, will float. New reduced price: $9.95.

BRINKTUN, INC.
710 NORTH 4th ST.
MINNEAPOLIS, MINN.

BOARDING LADDERS

Line of boarding ladders features $1\frac{1}{16}$" thick "Apitong" mahogany steps in 2, 3 or 4 step models.

BERNARD ENGRAVING CO.
N. 12th & SHERMAN
TOLEDO, OHIO

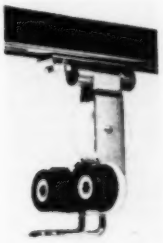
PLASTIC LETTERS & NUMBERS

For name of boat on transom and many other uses. May be had in yellow plastic with black face color, red plastic with white face color, or black plastic with gold face color.

BRITISH MARINE PRODUCTS
80 SHORE RD.
PORT WASHINGTON, N. Y.

TUPHBLOX-TUPHFITTINGS

Sailing hardware and equipment made of lightweight laminated linen, reinforced with naval brass and stainless steel. 75 items include blocks (single and double) for ¼" to ½" Dia. rope, cam type jambing cleats, main sheet camtype jambing cleats, fairleads, snatch blocks and center boat hoists.



JAMBING CLEATS

Items in this line include fair

INTRODUCING THE FIRST NEW SAILING DEVELOPMENT IN YEARS

The **TRIDENT**
by **MERRIMAN**

OPENS A NEW ERA OF SAILING PLEASURE FOR YOUNG AND OLD — POPULARLY PRICED

- Complete 12 foot sailboat — not a kit
- Unusually stable — easy to handle — fun to sail
- Weighs only 85 lbs. — easily carried on car top
- Features New "free-centerboard", a "plane-balanced rudder" and simplified "wing sprit rig" complete with nylon sail.
- Hull is non sinkable — exclusive "Foampac" construction of fibre glass skin with polyurethane filled interior.

See THE TRIDENT AT THE BOAT SHOW — BOOTH C179 — or write for information

MERRIMAN BROS., INC.

185 Amory Street
Boston 30, Mass.

leads, single and multiple blocks for halliards and sheets, and swivel-action jambing cleats which can be mounted either on the keelson or the centerboard trunk of racing boats, and worm-type roller reefing gear for mainsails up to 180 square feet area. All metal parts of these fittings are either stainless steel or heavily chromed brass.

TUPHBLOX-WINCHES

Complete line of snubbing, sheet and halyard winches made of laminated linen, lightweight and strong sizes to suit all types of sailing craft. Spindles, pawls, and handles are made of the finest naval brass, chrome plated.

CRUISER BLOCKS

Complete series of linen-laminated sailboat blocks and fittings for ocean-going sailboats. Metal parts are machined from drawn brass and are chrome-plated. Eyes will accommodate bodies of large shackles, and rope sizes up to 2" can be used. Two new "Tuph" fittings include sail battens made to order in sizes up to 3" x 48", and a "Lazy Block" with pivoting bullseye which can be set at any angle. Also miniature jambing cleat for smallest sailboats; swivel-action jambing cleats, worm-type roller reefing gear for mainsails up to 190 sq." ft., fair-leads, single and multiple blocks for halliards and sheets.

CANVAS PRODUCTS CO.
DETROIT, MICH.

"VENT-AIRE" WINDSHIELDS

Windshield line features movable vent-a-panes to control flow of air into a boat. Wraparound windshields are available in two series comprising 6 widths. All castings and necessary hardware are polished or chromed, with heavy aluminum used for extrusion at top of the shield.

COLUMBIAN ROPE CO.
AUBURN, N. Y.

ROPES

Line includes "Stabilized" nylon rope, "Stabilized" dacron rope, Colpack Manila rope and self-service Manila rope coils.

CAPTAIN JOHN'S MARINE HARDWARE
P.O. BOX 92
WETHERSFIELD 9, CONN.

CAPTAIN JOHN'S DAVITS

Full line of 12 models of davits, including Model LM-103 which is designed especially for yachts with minimum freeboard at the stern and extreme curving transom. The LM-103 raises a dinghy flush with the deck; rating per pair, 500 lb.; weight each, 13 lb. Other models available with lifting ratings per pair from 350 lb. to 2,000 lb. Accessories available: mounting bases, swivel and flush-set bases, extension bases, stabilizers to prevent tipping of dinghy during loading and launching. Further information on request.

R. H. DAVID CO.
726 ROSSMOR BLDG.
ST. PAUL 1, MINN.

WINDSHIELD MIRROR

Gives panoramic vision; made of heavy duty stainless steel; neoprene swivel absorbs shock and vibration; corrosion resistant. Clip-on model, $5.95; Deluxe model, $7.95. Deck mirror also available, same price.

DURA LETTER MARKINGS
1231 S. MAIN ST.
LOS ANGELES 15, CALIF.

REFLECTING NUMBERS

Made of tough, durable Scotchlite reflective sheeting. Easily applied without damage to hull. Reflecting numbers add extra safety at night. In 4 and 6 inch sizes.

ENVON PRODUCTS CO.
4713 MAPLEWOOD DR.
ELKHART, IND.

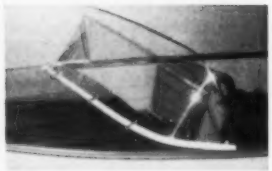
LINE SUPPORT CLAMPS

Aluminum and white neoprene line support clamps made in all standard sizes to fit all wiring, lines, cables, speedometer tubing and control cables now on market.

EUREKA TENT & AWNING CO.
35-45 STATE ST.
BINGHAMTON, N. Y.

WRAP-AROUND WINDSHIELD

Panoramic curved universal plexiglass in 6 widths and 3 heights; equipped with triple



plated chrome brackets, white deck moulding, and chrome trim. Shaped and pre-drilled. Prices from $27.85. Side, center brackets extra.

BOAT FENDERS

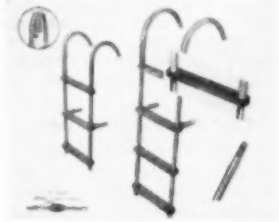
Available in a variety of grades and sizes for all boats. Price from $1.40 to $4.00.

FLORIDA WIRE & RIGGING WORKS, INC.
578 N.W. 72nd ST., MIAMI, FLA.

WIRES AND FITTINGS

Complete line of wires, ropes and fittings for boats from 14' to 110'.

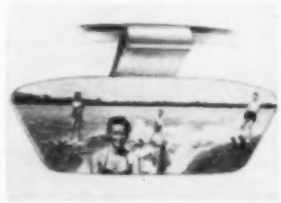
GARELICK MFG. CO.
ST. PAUL PARK, MINN.



EEZ-IN MARINE PRODUCTS

Line includes variety of ladders, helmsman seats, swivel boat seats, yacht and "Mitey Mate" deck chairs, masts, flagpoles, Scotchlite letters and numbers and Port-O-Biffs.

H. N. GILMAN & ASSOC.
2010 NICOLLET AVE., MINN. 4, MINN.



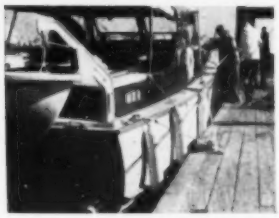
CLIP-ON WINDSHIELD MIRROR

Stainless steel panoramic 170° mirror clips on anywhere, has neoprene swivel, is corrosion resistant. Swivel absorbs shock and vibration, a necessity for water skiing. Price, $5.95.

B. F. GOODRICH SPONGE PRODUCTS
SHELTON, CONN.

HANDI-FLOATS

Use as lifelines markers or horizontal fenders for docking against pilings. Buoyant, rot and moisture resistant. Will not mar or stain finish. In sizes from 3"x3" to 6"x7½", prices from 35¢ to $2.75. Also available: Marine fenders, single molded units for use as marker or life preserver in emergency. Shock-absorbent, resists moisture. $4 up.



FENDERS

One piece, unicellular plastic fenders in neutral color, cannot stain or mar paint. Waterproof. 3" to 5" diam., 15" to 24" length. Prices from $4.00 to $9.00.

E. F. GRIFFITHS CO.
346 E. WALNUT LANE
PHILADELPHIA 44, PA.

RACE-LITE "C" BLOCK

For mainsheets and similar application, with a white Nylon sheave 1¾" in diameter rolling on a stainless steel bearing.

GRIFFITH MARINE LINE
GRIFFITH RUBBER MILLS
PORTLAND 10, OHIO

PNEUMATIC CYLINDER

Lightweight rubber that will not discolor or mark the hull, positive flotation. In sizes from 2"x12"x9"x30". Prices from $2 to $25.

STEP PLATES

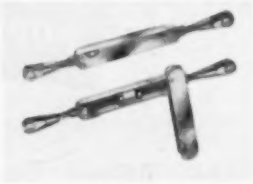
Rubber step plates in nautical rope design with non-slip surface and countersunk screw holes. In white, black, red, green, and blue non-fade colors. Sizes and prices: 2"x8", $.95; 3½"x8", $2.50; 5½"x11½", $3.50.

HACKENSACK CABLE CORP.
110 ORCHARD ST.
HACKENSACK, N. J.

WIRE ROPE

A complete line of wire rope for all marine applications is manufactured. Includes stainless steel wire rope and cable, Nylon and Vinyl covered tiller cable, Monel wire rope and cable, bronze wire rope and cable.

C. SHERMAN JOHNSON CO.
FERN DALE
MIDDLE HADDAM, CONN.



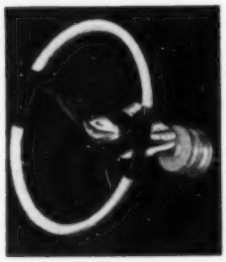
¼ HANDY LOCK TURNBUCKLE

#18-8 self safetying turnbuckle, with integral handle, of stainless steel fabrication, designed for use with wire sizes 3/32", ⅛", and 5/32". Weight 5¾ oz. May be ordered with toggle & toggle or toggle & swaged end.

CLEVIS PIN

Quick release clevis pin for use with manufacturer's Handy Lock Turnbuckle, and is made in ½", ⅝", ¾" and ⅞" lengths, all ¼" pin diameter. Can be used as clevis pin on most standard fittings. Unit is of stainless steel with weather resistant synthetic expansion ring. Price, $1.00.

KAINER & CO.
CHICAGO, ILL.



SEAGULL STEERING WHEEL

Model 950 has chrome housing, is 15" diameter, can be mounted 90 or 20 degrees. Available in a variety of two-tone or monotone finishes.

KINKEAD IND., INC.
5860 N. PULASKI RD.
CHICAGO 46, ILL.

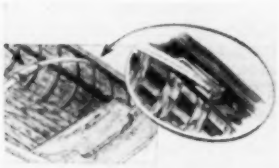
METAL WORK

Metal moldings, extruded aluminum and stainless steel; for gunwales, inwales, sheer and rub rails, and decorative trims.

LAFAYETTE SUPPLY CO.
WEST LAFAYETTE, OHIO

BOW SOCKETS

Stamped aluminum sockets are attached to top inside edge of gunwale opposite each other with screws that are furnished. 2 to 4 pair of these boat cover sockets are needed, depending on the size of boat. Can also be used on a trailer or small truck. Available in natural aluminum or anodized aluminum in the colors of blue, green, and red. Price, $1.00 pair.



ADJUSTABLE COVER BOWS

Two sizes, one adjustable to 68", the other to 92". Bows support cover to assure a dry boat. Adjustable feature allows user to cope with shrinking or stretching of the canvas cover. Unit consists of two pieces of select lumber and two small especially-designed steel clips with cadmium-plated tension spring. Metal clips lie flat against wood bows and will not wear the boat covers. Prices, $1.35 and $1.85.

LAFAYETTE R-W OARLOCKS

Pin unit slips over oar to desired position and is securely tightened with wing nut. Price, $3.70 per pair.

LASHING OR FENDER HOOKS

Available in either stamped steel or cast aluminum. The stamped hook is 20 gauge steel nickel plated and fastens with 2 screws. The cast aluminum model fastens with 1 screw. Both are useful for holding boat fenders, lashing boat covers, etc. Price, $.15.

MAGIC TOOLS INC.
991 WILLIAMS ST.
SAN LEANDRO, CALIF.

MAGIC GLOVE COMPARTMENT

This compartment is installed in dash of boat. The face is highly polished. It comes equipped with two keys. Can also be put under seats. Compartment is plastic with chrome plated brass face. Hole to be cut in dash is approximately 11⅝"x3¼". Price, $22.50.

MAGIC STANDARD SWIVEL HOOK LADDERS

Available in 2, 3, and 4 step models with 6, 8, and 10 inch hooks. Hooks and center braces fold flat for storage. Constructed of 1 inch aluminum tubing with hardwood steps. All parts are dipped in a plastic solution to protect it against corrosion, all hooks are rubber covered. Price, from $20.30 to $26.90.

MAGIC "CHANGEABLE HOOK" SWIVEL LADDERS

Available in 2, 3, and 4 step models. The hooks are 6, 8, and 10", and are completely detachable from ladder. Any one of the hooks may be used with any of the 3 ladders. Constructed of 1" aluminum tubing with hardwood steps. Hooks and center braces fold flat for storage. All parts are dipped in a plastic solution to prevent corrosion, hooks are rubber covered. Hooks or ladders may be purchased separately. Price, from $23.90 to $30.70.

MARINE EQUIPMENT & SUPPLY CO.
116 WALNUT ST.
PHILADELPHIA 6, PENNA.

STAINLESS FITTINGS

Stainless steel fender moulding for guard rail and sheer rail protection of boats.

BINDING AND TRIM

Hatch binding stainless steel for trim around hatches and opening windshields.

MERRIMAN BROS., INC.
185 AMORY ST., BOSTON, MASS.

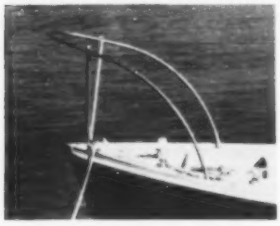
UNIVERSAL TILLER ROPE PULLEYS

Stainless steel pulleys will take cable with ⅛" to ⅜" diameter, and features "anti-jam" construction. Several models are available.

GIBB SELF-BAILER

Bailer operates at speeds of

approximately 3 mph and higher, and has lever that locks unit in closed position when at moorings or low speeds. Fitting is flush with hull bottom when closed.



UNIVERSAL PULPITS
For runabouts, powerboats and sailboats, pulpits are available in 4 designs in brass, chromium plated brass and stainless steel. Sold in kit form with fittings.

STEERING CABLE TERMINAL ASSEMBLY
Stainless steel assembly includes strap, clamp and thimble, with holding power on 3/16" plastic covered cable.

STEERING CABLE GUIDES
Stainless steel guide has plastic insert to hold cable in proper position and prevent chafing.

D. W. MOOR CO.
2316 ADAMS ST., TOLEDO 2, OHIO

CHAFING GEAR
Designed to give your lines protection from abrasion, this new gear is of white vinyl tubing, ¾" I.D. x ⅞" O.D. May also be used for Tachometer Cable Cover and for ¾" Aluminum Boarding Ladder Tubing.

NAUTILLOY PROD., INC.
AUBURN, N. Y.

AQUABIRD 60NM STEERING WHEEL
Non-magnetic, with scratch-proof finish and chrome plated hub and base. Available in six color combinations. Further information on request.

NAYCO MARINE ACCESSORIES, INC.
1517 N. 21st ST.
PHILADELPHIA 21, PA.

DECK ACCESSORIES
Flagstaffs, boat hook poles and boat hooks, masts, folding helmsman seats, overhead fishing rod racks, cockpit and boarding ladders, ski towlines, ski boards and ski discs.

PHOENIX LOCK CO., INC.
NEWARK, N. J.

DECK HARDWARE
Complete line of brass, bronze and aluminum deck hardware.

PORTLAND BOAT WORKS
5861 N. E. PORTLAND HWY.
PORTLAND 13, ORE.

WES-CO-MA BRONZE HARDWARE
Marine hardware. Strut and rudder especially designed for fast boats. Brackets of various types. Shaft logs. Other items available.

PREMAX PRODUCTS DIV., CHISHOLM RYDER CO.
COLLEGE AND HIGHLAND AVE.
NIAGARA FALLS, N. Y.

PREMAX HARDWARE
Premax: Polished, embossed brass and aluminum boat letters 3", 4", and 6". Aluminum and stainless steel telescoping vertical marine antennas from 12' to 36'. Base insulator mountings chrome-plated brass and galv. iron, rigid and hinge post type. Marine loading coils, waterproofed.

PURITAN CORDAGE MILLS
LOUISVILLE, KY.

POLYETHYLENE CORD
Polyethylene solid braided cord that floats can be used for marking swimming safety areas, for anchor or mooring line, water ski tow rope, trailer winch rope, or for decorative rope work. Has high tensile strength, is resistant to abrasion. Will not crack in cold weather, and resists most chemicals.

THE REX CORPORATION
HAYWARD RD., W. ACTON, MASS.

REX MOTORBOAT CABLE
7x7 galvanized steel construction, nylon- or PVC-jacketed cable. Nom. O.D. 130".

KITTER MARINE MFG. CO.
120 WALKER ST., NEW YORK 13, N. Y.

MARINE FITTINGS
New item is bottle holder adapter for the line of gimbal rings. Model No. 414T consists of clamp for table or arm rest mounting and gimbal ring, and No. 414BH, support for the bottle. All units of solid brass construction, chrome plated, and with universal swing to keep bottle upright under any conditions. Price: complete unit, $4.50; same unit for bulkhead mounting, $3.95.

ROCHESTER ROPES, INC.
CULPEPPER, VA.

TILLER ROPE
All types of rope for marine use: nylon and plastic-coated tiller ropes, stainless steel rigging ropes and galvanized aircraft cable. Featured is tiller rope composed of a galvanized carbon steel cable 3/32" in diameter and coated with either nylon or polyvinyl chloride. Nylon-coated available in 3/32"x5/32" and 3/32" x3-1/16" sizes, and polyvinyl chloride-coated in 3/32" x 11/64".

SAVAGE UNIVERSAL BRACKET CO.
NORWELL, MASS.

SAVAGE UNIVERSAL CANOE BRACKET
For all motors not over 2½ HP. For all canoes. High test aluminum. Price, $15.

OUTBOARD BRACKET
Heavy cast bronze outboard brackets for any type hull. Unit fits all make motors. Only sockets remain permanently attached. Stationary angle brackets of bronze for sloping transoms, $18 and $22. Adjustable brackets for sloping or straight transoms, $28 and $50. Aluminum canoe brackets for motors to 2½ HP, $15.

SEABRIGHT MARINE HARDWARE, DIV. OF NEWPORT SUPPLY CO.
1630 SUPERIOR AVE.
COSTA MESA, CALIF.

WOOD SHELL YACHT BLOCKS
Constructed with bronze sheaves and roller bearings, blocks have special high-tensile bronze straps and fittings. Encased in seasoned ash shells, varnished in natural wood finish. Available with single, double or triple sheaves, with or without becket. Block size shell lengths, from 3" to 10". Proper fittings are available for each particular use of the block.

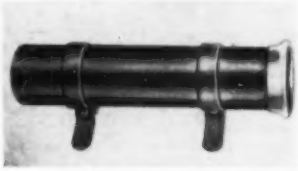
TOP ACTION WINCH
Double ratchet for genoa and spinnaker sheets in both size 2 and 3. Made of bronze with stainless steel pins and springs. Handle is held with spring action lever and is easily removed without damage to fingers. Prices (polished): size 2, $45; size 3, $69.50.

BOAT TOP HARDWARE
Complete kit of hardware including bows for making boat tops. When cover is made, kit is ready for assembly complete with instructions. Available in ⅜" and ½" aluminum pipe with fittings. Model A has two bows for boats with windshields. Model B has 3 bows for boats without windshields. ⅜" pipe extends up to 72" and ½" pipe extends up to 96". Prices: Model A, ⅜", $27.50; Model A, ½", $39.50; Model B, ⅜", $39.50, and Model B, ½", $55.

BOW HANDLES
Designed for outboards, inboards and small sail boats, these handles are of high-quality bronze, machined and polished. Available from 7" to 10½", in burnished bronze, polished bronze, and chrome plated. Prices, from $3.50 to $5.

SPINNAKER POLE FITTINGS
Eye slides and eye plates are made of bronze. Prices, Spinnaker pole eye slide, 3/16"x¼" track, $7.50. Spinnaker pole eye plate, curved plate, $2.60; flat plate, $2.75. Spinnaker pole fitting, of bronze with spring-loaded release pins, size no. 3 has integral cast eye for attachment of fore-guy or down-haul. Size 1, 1¼" pole, $10.45; Size 3, 2" pole, $13.75.

SEA MATE PRODUCTS CO.
BOX 210, CLARKS SUMMIT, PA.



PERMANENT ROD HOLDERS
Designed to fit all fishing rods up to largest deep water rigs, unit has 1⅞" inside diameter, is 9" long. Mounts solidly to gunwale, transom, seat back or cabin side. All models lined with sun and oil resistant white synthetic. Packaged in pairs. Available in 2 models. Prices: polished aluminum, No. 10A, $6 per pair; and triple plated chrome on solid brass, No. 11A, $9 per pair.

BOW RAIL
Available in kit form for 17-30' cruisers. Aluminum construction. Attached in 30 minutes without special tools or need of precision drilling. Price, $49.50.

BOAT HOOKS
Of extra heavy .058 wall fluted aluminum tubing, with plastic coated aluminum head and heavy molded grips. Hooks float. Available in 2 lengths. Prices: 4', $3.95, and 6', $4.95.

SOUTH COAST CO.
NEWPORT BLVD. AT 23rd ST.
NEWPORT BEACH, CALIF.

CAM ACTION CLEAT
Bulldog jam. For line size ¼ to 5/16". Weight, 1 lb.

SNAP SHACKLES
Manganese bronze with Monel pins. Available chrome plated.

NEOPRENE SHELL YACHT BLOCK
Available in polished bronze or chrome plated. Deck plate swivel type in 3", 4", and 5".

Roller bushed. Shell requires no maintenance, reduces noise and marring.

SOUTH COAST HAND WINCH

Pawl type ratchets. Made of polished bronze, chrome plated. Available in 3 sizes:

Height	Diam. of base	Weight
$3\frac{1}{8}$"	$3\frac{7}{16}$"	2 lb. 8 oz.
$3\frac{1}{2}$"	$4\frac{1}{16}$"	4 lb. 6 oz.
$4\frac{1}{2}$"	$5\frac{5}{16}$"	9 lb. 10 oz.

SNATCH BLOCK

Available in polished bronze or chrome plated. Monel pin in snap shackle. Neoprene shell is resilient and reduces noise and scarring of decks. In stock in 3", 4", and $4\frac{1}{2}$" sizes.

SUDBURY LABORATORY
SUDBURY, MASS.

BOAT FENDER

Fender rides above and outside the rail, floats if dropped overboard, is resilient and impervious to salt or fresh water. Prices: $1.98 and $4.95 for 15" and $17\frac{1}{2}$" models.

SWANSON OARS
ALBION, PENNA.

OARS

Oars made from ash, spruce, whitewood, and basswood. Also available: paddles, water skis, ice hockey and field hockey sticks, boat poles.

N. A. TAYLOR CO.
GLOVERSVILLE, N. Y.

SAFETY GLASS WINDSHIELD

Full wrap-around safety glass windshield, scratch resistant. Convertible top can be attached without drilling holes. Easily installed. Ventilation units available. Write for brochure.

SPORTSHIELD

Plexiglas windshield available in 12", 15", and 17" heights. In varying width wing tips. Priced from $27.25. Free catalog available.

WINDSHIELD WIPER

Available for 6 or 12 volt systems. 9" blade, easily installed on glass windshields. For use in fresh water areas. Price, $19.95.

WINDSHIELD VISOR

For glare protection from reflection on the water or direct sun light. For any wrap-around windshield. Made of tinted Plexiglas. Price, $6.50.

UNITY MFG. CO.
2909 INDIANA AVE.
CHICAGO 16, ILL.

CHIEFTAIN AND DEFENDER MIRRORS

Chieftain is fully adjustable, with double shell construction and nylon shoulder joint. Defender has sleek low look, is completely adjustable and universal. Durable hand finish. Prices: Chieftain, $4.60; Defender, $7.75.

THE VOLLRATH CO.
SHEBOYGAN, WIS.

STEERER

One-spoke 15" wheel has universal mounting for individual adjustment at any angle. Stainless steel housing covers bracket and shaft of wheel, which has nylon bushings. Also available are the Viking wheel with deep-V spoke and universal mounting, and standard wheel.

WALL ROPE WORKS, INC.
48 SOUTH ST., NEW YORK 5, N. Y.

MULTI-PURPOSE "COLOROPE"

Polyethylene rope, resists rot and water absorption; floats. Use as ski tow line, buoy line, float, halyards and sheets, etc. Available in nine colors and 50 ft., 80 ft., and 100 ft. lengths.

KUHLS ELASTIC

SEAM COMPOSITIONS – GLUES
CEMENT – PRESERVATIVES

Keeping Boats Watertight & Trim Since 1889

THE FULL KUHLS LINE
Be certain—use this list for a ready reference
MAKE SURE IT'S KUHLS

ELASTIC SEAM COMPOSITIONS No. 1—for deck seams.
ELASTIC SEAM COMPOSITION No. 2—for hull seams above and below.
SEAMLAST—A mastic-type seam filler for hulls.
SEALTITE—A Liquid Rubber sealer.
CANVAS CEMENT—For cementing or repairing canvas decks.
"AVIO"—Aer-O-Nautic liquid marine glue.
TROWELAST—For surfacing dents, etc., on iron, wood steel.
BRUSHLAST—For surfacing cracked canvas—for hard racing bottom finishes, etc.
BEDLAST—For bedding, mouldings, deck hardware, etc.
CANVAS PRESERVATIVES—For waterproofing and preserving canvas covers, etc.
FIREGARD—Fire resisting canvas preservative.
SEAM PAINT—A primer for deck and hull seams.
LINOLAST—A waterproof linoleum cement.
DOUBLE PLANK CEMENT—For double plankboat construction.
PATCHLAST—A waterproof, elastic adhesive for patching canvas, etc.
3 WAY PRESERVATIVE—For Wood, Canvas and Rope (Clear Color).
WOODTEX—(Wood plastic) for filling countersunk screw holes, dents, gouges, etc. Colors: Natural, Mahogany, Cedar, Pine, Fir, Oak, Light Oak, and Teak.
WOODTEX—(Surfacer) for filling and glazing over slight surface imperfections. Quick drying. Colors: Natural, White, Mahogany, Light Mahogany, Cedar, Pine, Fir, Oak, Light Oak and Teak.
RUB-R-TEX—(RUBBER SEAM AND BEDDING COMPOUND) A one part synthetic heavy rubber base compound which is supplied ready-to-use with putty knife or gun. 3 Colors: Natural, White, Mahogany.

SOLD AT ALL LEADING MARINE SUPPLY DEALERS

Look for this Cabinet at your dealer . . .

Displaying the KUHLS full line. See the COMPOSITE BOAT CHART mounted on top, showing the boatman what to use and where to use it for best results.

FREE! BOOKLET

"HOW TO KEEP BOATS WATERTIGHT"

Contains our Famous COMPOSITE BOAT CHART showing which one of our products to use, and where for best results, it also illustrates and describes our 19 Great Elastic Marine Products.

At your DEALER or WRITE DIRECT

Ask Your Dealer About The NEW KUHLS Products

RUB-R-SEAM Thiokol base 2 parts mixture

For deck and hull seams above and below the waterline. Bedding of the laps in lap strake boat construction, etc. Sets up to tough resilient rubber with terrific strength. Also ask him about the other fine KUHLS products just introduced.

VISIT OUR BOOTHS
New York Show #204 • Chicago Show #20-21

H. B. FRED KUHLS
65th STREET & 3rd AVENUE, BROOKLYN 20, N. Y.
World's Largest Manufacturers of Elastic Seam Compositions
Glues • Cements • Preservatives

WALSTROM PRODS., INC.
HARBOR SPRINGS, MICH.

DINGHY DAVITS
Davits, cantilevered horizontally from transom, follow sheerline of boat, keep dinghy out of the way when not needed. Dinghy is secured below deck level. One person can lower boat. Can be used on any type of transom, sloping either forward or aft. Adjustable for vertical angle, length, reach, and beam of dinghies up to 15 feet long with a 52 inch beam. Support up to 1,800 lbs.

WHALING CITY MARINE CO.
P.O. BOX 940, 56 PROSPECT ST.
NEW BEDFORD, MASS.

MARINE EQUIPMENT AND ACCESSORIES
Products include blocks and pulleys, boat hooks, outboard brackets, auto top boat carriers, chocks and cleats, boarding and swimming ladders, metal letters and numbers, lifting eyes, oar locks, oars and paddles, outboard motor transom plates and pads, boat hook poles and flag poles, sail rigging and fittings, outboard steering wheels, transom pads and windshield brackets.

WILCOX-CRITTENDEN DIV.,
NORTH & JUDD MFG. CO.
MIDDLETOWN, CONN.

SEA-FLAIR DECK FITTINGS
Chrome plated appointments. Also available: "Stardust" steering wheel for small inboards and outboards, in a variety of angles and designs.

CABIN FITTINGS

AMERICAN MAT CORP.
2316 ADAMS ST., TOLEDO 2, OHIO

VINYL MATS
These plastic link mats add to the appearance of any boat while protecting decks from wear. They also prevent slipping when decks are wet. Available in a variety of colors.

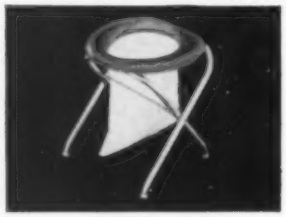
EUREKA TENT & AWNING CO.
35-45 STATE ST.
BINGHAMTON, N. Y.

BOAT FLOOR MATS
Hand-woven in Orient. 12-inch squares allow any length in even feet to be made by cutting thread. Mats can be laid in the sun to dry. Price, $5 per 9' x 12" section.

FATSCO
251 N. FAIR AVE.
BENTON HARBOR, MICH.

STOVES
Full line of stoves for land or boat use. Illustrated, left to right: Model 450 "Pet Stove" with stainless steel shield; can be used with charcoal or similar fuels. 11¾" high, weight 10¼ lbs. Price $9.50. Model 450-2L "Pet 2-Lid Stove" with 9"x14½" cooking top, weight 20½ lbs., price $17.95. Model 400 "Tiny Tot Stove" similar to "Pet" but 14" high, price $10.50. Model 400-2L "Tiny Tot 2-Lid Stove" with 9"x14½" cooking top, sea rail, weight 21½" lbs., price $18.25. Other models available, priced to $36. Accessories available: pipes, ventilators, shields, etc. "Pet" and "Tiny Tot" stoves burn coal, wood, charcoal, etc.; other models designed for wood, paper, etc.

GOODE PRODUCTS CO.
7542 MAIE AVE.
LOS ANGELES 1, CALIF.



PORTABLE TOILET
Traveling toilet is equipped with disposable bags, and folds for storage. Features include "at home" style seat, standard height and lightweight aluminum frame. Price, $11.95.

LARCO, INC.
PAINESVILLE, OHIO

AIR CONDITIONER
Cools and de-humidifies in all areas of the boat, with individual controls for each area. Provides warm, dry atmosphere in winter. Driven by auxiliary generator, or dock power. Priced from $4500.

MILWAUKEE STAMPING CO.
MILWAUKEE, WIS.

HANDY TABLE
Table and chair combination folds into self-carrier, and when open provides seats and unobstructed leg access for 4. Frame is of heavy gauge steel, finished with baked-on enamel. Folded size, 33" x 14½" x 4". Price: between $30 and $35.

REXO-THERM, INC.
P.O. BOX 1051, AURORA, ILL.

CAMP STOVE
"Sievert 925" windproof stove for camping and boating. Uses LP gas. Odorless. One filling lasts 4 weeks. Can be used for cooking, or attachments available for use as lantern. Also available: double burner odorless, non-poisonous gas stove. Made in Canada.

SANDVIK STEEL, INC.
SAW & TOOL DIV.
1702 NEVINS RD., FAIR LAWN, N. J.

PRIMUS 535 STOVE
Two-burner boat stove equipped with top rail to keep utensils steady in rough waters. 4-hour burning on one tank filling. 20½"x12⅜"x5⅛", weight 10¾ lbs. Equipped with safety and adjusting devices. Prices: alcohol model, $68.50; kerosene model, $66.00. Rail, $10. Also available: camp and cabin stoves, kerosene and gas models, from $10.45; lanterns and lamps from $28. Made in Sweden.

SUDBURY LABORATORY
SUDBURY, MASS.

CABIN HEATER
Stainless steel heater is portable, with all openings protected with safety screens which will not allow flame to pass through. Unit is 6" square and 24" high, and can be hung from ceiling to prevent upsetting. Price: $24.95.

WASHINGTON STOVE WORKS
EVERETT, WASH.

GALLEY RANGES
Available in a variety of sizes and finishes, with choice of bottled gas or wood and coal burning models.

ANCHORS & MOORINGS

AIR CRUISERS DIVISION,
THE GARRETT CORP.
P.O. BOX 180, BEL MAR, N. J.

NORTHILL SMALL BOAT ANCHOR
Made of steel, weight 3 lbs. Also available, utility anchors of Ductilon alloy steel in 5 to 91 lb. weights.

BENSON'S ANCHORS, INC.
316 S. ORCHARD RD.
SYRACUSE 4, N. Y.

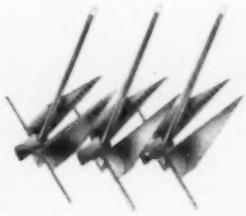
ANCHOR LINE GUIDE
Free-running anchor line guide for running anchor line around windshield and other deck equipment to cockpit.

DECK CHOCK
One-piece self-locking deck chock is intended to eliminate fouling, lashing and clamps.

ANCHOR DAVIT
Davit for fishing the anchor can be used on sailboats, outboards and cruisers and has stainless steel roller.

ANCHOR
Anchor features special release ring which slides along shank to crown to free anchor quickly.

DANFORTH ANCHORS
2167 ALLSTON WAY
BERKELEY 4, CALIF.



DANFORTH ANCHORS
Full line of stock-stabilized, pivoting-fluke anchors, in 38 sizes from 2½ to 20,000 lbs. Smaller sizes made of alloy steel and larger sizes of cast steel. Also available: mooring anchors, anchor chocks, and other anchors and products.

EAST END SUPPLY CO., INC.
203 FRONT ST., GREENPORT, N. Y.

MOORING BUOYS
Made of plastic in three sizes, 6x6x9, 8x8x12, 12x12x12.

FATSCO
251 N. FAIR AVE.
BENTON HARBOR, MICH.

ANCHOR-PULLEY-BRACKET
Provides operation of anchor from rear seat of boat: Has separate eye for towing purposes, large pulley with bronze bearing for mounting at any desired position, heavy locking cam, adjustable brackets. Can be supplied with a fold-down carrying handle. Priced from $1.50.

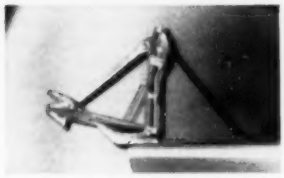
GRIFFIN ANCHOR DIV.,
SAMUEL JACKSON'S SONS, INC.
838 SUBURBAN STATION BLDG.
PHILADELPHIA 3, PA.

GRIFFIN ANCHORS
Features flush vertical pull-up. Designed to use anchor line length 3 times water depth in weights 4-16 lbs. Prices $7.50-$28.50. For boats up to 40'.

GRIFFITH MARINE LINE
GRIFFITH RUBBER MILLS
PORTLAND, ORE.

GRIFFITH SNUBBERS
22"x½", live rubber mooring snubber tested for half ton continuous strain. Price $2.75 in black rubber; $3.25 in white rubber. 7'x2", live rubber commercial anchor snubber tested to withstand 4,000 lbs. strain. Price $39.50.

MAGIC TOOL, INC.
991 WILLIAMS ST.
SAN LEANDRO, CALIF.



MAGIC ANCHOR LIFT & ANCHOR
Raises and drops anchor from anywhere in boat; keeps mud and water out of boat. Handles anchors up to 50 lbs. Available in rope or chain, $37.50. Eight-pound anchor available, does not need chain (uses rope), will not rust or corrode, $16.50.

MARINE SPECIALTIES DIV.,
CENTRAL MACHINE WORKS CO.
1271 CENTRAL AVE., N.E.
MINNEAPOLIS 13, MINN.

MOORING BARS
For mooring of runabouts and other light craft, unit includes heavy coil springs which snap mooring bars to bow and stern of boat to absorb shock and strain. Bars swing in to dock when not in use or to bring boat closer for boarding.

MARK ANCHOR REEL
347 ROSEDALE BLVD.
EGGERTSVILLE 26, N. Y.

MARK ANCHOR REEL
A manually operated reel for anchor lines. Deck pin serves as mount to deck and axle for

the reel. The reel itself is of aluminum alloy with a 4-rod assembly. Price, $19.95.

MAX PILLOW CO.
DYERSBURG, TENN.

RUBBER ANCHOR
Rubber anchors with metal cores, for small boats. Will not scratch finish of boat. Rust proof. Prices: 7 lbs., $6.95; 14 lbs., $12.95, and 24 lbs., $19.95.

ONEIDA MACHINE TOOL CORP.
320 E. WALNUT ST., ONEIDA, N. Y.

NOMAR ANCHORS
Plastic coated, bright orange color, modified Navy type design. Prevents marring of hull and deck, quieter stowage, no rusting, cleaner and easier to store. Model A-5, 5 lb., $5.75; Model A-10, 10 lb., $9.00; Model A-15, 15 lb., $12.00.

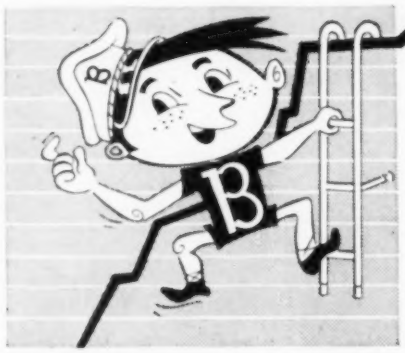
ROLOFF MFG. CO.
KAUKAUNA, WIS.

NAVY ANCHOR
Two-pronged anchor of cast iron, semi-steel, painted aluminum. Available in 4 weights. Price, $2.53, 5 lbs.; $3.57, 10 lbs.; $4.40, 15 lbs., and $5.50, 20 lbs.

M-MUSHROOM ANCHOR
Cast iron semi-steel anchors painted aluminum, and available in 8, 10, 12 and 15 lb. sizes. Prices: $2.76; $3.03; $4.30 and $3.57.

RUBBER COVERED ANCHOR
12 lb. mushroom type anchor is of cast iron, semi-steel, covered with "Neo-Preom" rubber. Will not dent, scratch or dam-

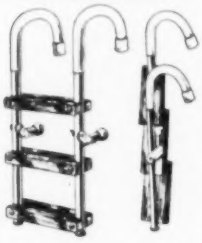
Brinktun ... invites you to climb aboard for GREATER PROFITS in 1959!



with
BRINKTUN
BOARDING LADDERS
featherlite
Guaranteed to float

SPECIAL SERIES
SPEC 32...30" high...$11.95
SPEC 33...39" high... 14.95
SPEC 34...52" high... 17.50
Plus All Aluminum Models
1 to 4 steps from $7.95

NEW "J" SERIES



J-2—2 step—$ 9.95
J-3—3 step— 11.95
J-4—4 step— 13.95

MT SERIES

MT 32—$14.50
MT 33— 17.95
MT 34— 20.95

VISUALIZE the fun and convenience added to the thrill of boating with boarding ladders designed to compliment even the finest cruisers.

REALIZE greater sales, selling the proven line in '59! Enthusiastic dealers, boat owners and water skiers have made Brinktun tops in the field.

ECONOMIZE—Remember, Brinktun pays the freight on all orders over 200 lbs.

Write for complete line catalog
See them all at the BRINKTUN DISPLAY ROOM
1107 Broadway, c/o Lorraine Associates, New York, N.Y.

Brinktun, Inc. 710 NORTH 4TH STREET MINNEAPOLIS, MINNESOTA

age boat. Designed for metal boats, it is also suitable for mahogany boats. Resistant to salt water, oil, gas, acid, and rust proof. Price, $8.26.

RIVER SPECIAL ANCHOR
Cast iron, semi-steel anchor is painted aluminum, and available in two sizes. Prices, $3.85, 12 lbs., and $5.50, 20 lbs.

ANCHOR HOLDER
Fits Roloff mushroom and rubber covered anchors perfectly. Holder is of cast iron, semi-steel, and weighs 5½ lbs. It holds anchor safely outside boat, and has bow handle. Anchor can be raised or lowered from any seat in the boat. Holder accommodates most types of fishermen's anchors. Price, $6.55. Also made in aluminum.

RUBBERHIDE CO.
453 WHITEHEAD RD.
TRENTON 4, N. J.

BOATETHER
"Boatether" is 10" elastic link with eye at each end. Sun, salt, water resistant. Allows slack in mooring line that absorbs shock of wind and waves. Will stretch to 50". May also be used as stretchable safety line for outboard motors.

PHILIP SPILKER
6 SINCLAIR ST.
FARMINGDALE, L. I., N. Y.

ANCHORS AND CHOCKS
High grade standard steel anchors ranging from 4 lbs. to 55 lbs., featuring a center section used as a trip. Chocks are of non-corrosive stainless steel, available in both unpolished and polished chocks. Prices: Anchors from $6.50; chocks from $5.50.

WILCOX-CRITTENDEN DIV.,
NORTH & JUDD MFG. CO.
MIDDLETOWN, CONN.

"CQR"
PLOW STYLE ANCHOR
In three sizes—4½, 7, and 9 lb. Designed to hold on all bottoms except rock ledge, break out clean when pulled up straight.

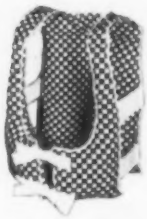
LIFE PRESERVERS

AMERICAN PAD & TEXTILE CO.
GREENFIELD, OHIO

LIFE VESTS
Full line of life vests, cushions, ski belts, skis and ski accessories, floats, buoys, men's ladies', and children's wear, sleeping bags, hunting and fishing wear and accessories, etc. Complete catalog on request.

ACCESSORIES
Boat cushions, caps, covers, life preservers, fenders, marine clothing, fishing accessories, sleeping bags, water skis, etc.

BILLY BOY PRODUCTS, INC.
QUINCY, MASS.



VESTS AND PRESERVERS
Full line of motor boat and racing vests, skiing jackets for men and women; buoyant cushions; tops and covers; skiing belts; beach robes and ski cases.

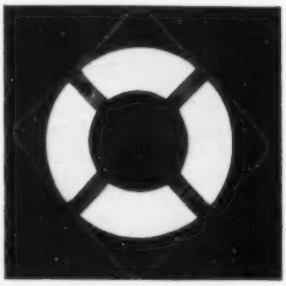
BOAT NAMES CO.
426 W. 5th ST., KANSAS CITY 5, MO.

POLYETHYLENE FOAM PRESERVERS
Compact, soft, water-skiing life belt. In three sizes, $4.95 each. Also available, all polyethylene life belts with braided rope for safety and comfort. In three sizes, $3.95 each.

B. F. GOODRICH
SHELTON, CONN.

HANDI-FLOATS
Plastic Marine Floats can be made into fenders, markers, lifebelts, watertoys.

WATER WONDER
Plastic Flutter board swimming aid; watertoy.



FLOTATION EQUIPMENT
LIFE BUOYS
Ring life buoys made of one piece unicellular plastic cannot absorb water, will not deteriorate in sun, water, oil or gasoline. Guaranteed fire resistant. Sizes from 15" to 30", prices from $9.00 to $25.00.

RING LIFE BUOYS
Buoyant, unbreakable, unsinkable, rot and mildew resistant. Unaffected by oil, salt water, or marine growth. In 15" to 24" sizes, $9.50 to $21.

PLASTI-KRAFT CORP.
140 WALKER ST., SW
ATLANTA 3, GA.

RAFTS AND BUOYS
Lightweight, durable equipment of fiberglass, polyethylene, nylon, and other special materials. Rot and mildew proof, maintenance-free. Available in a variety of sizes and capacities. Buoys are priced from $6.95 to $25.90.

RED HEAD BRAND CO.
4311 W. BELMONT AVE.
CHICAGO 41, ILL.

LIFE PRESERVERS
Line offered includes vests for both adults and children, life jackets and belts for water skiing and swimming. Fillings are of kapok or unicellular plastic.

STYLE CRAFTERS, INC.
P.O. BOX 3277—STATION A
GREENVILLE, S. C.

AQUA-FLOAT
Life vest is USCG-approved, filled with soft foam plastic and available in three sizes for adults and children. Prices, from $8.

H. S. WHITE MFG. CO., INC.
NEW PRAGUE, MINN.

VEST LIFE PRESERVERS
Kapok sealed in plastic inserts, Cotton Cloth. Adult, price, $7.95. Child, medium, price, $6.60. Child, small, price, $5.85. Coast Guard approved.

BOAT CUSHION
Kapok 15"x15"x2". Price $4.65 to $5.50.

CUSHION
15"x15"x2" in size. Made of new kapok in vinyl pads, according to Coast Guard specifications. Price $6.15 to $6.45.

CUSHION
13"x18"x2" in size. Made of new kapok in vinyl pads which are in four separate compartments to prevent shifting. Made according to Coast Guard specifications. Price $6.85.

VEST
Made of new kapok in the following sizes and types: Adult, zipper; adult, collar; adult, hunters; child, collar; child, tutor buoy; adult, vest-n-cushion; ski-belt. Prices from $3.15 to $9.85 depending on size and type. The ski belt has Kapok contained in electronically sealed vinyl pads to prevent waterlogging. Double waist straps for added safety and form-fit adjustment.

CANVAS & COVERS

BARKER MFG. CO.
10 N. MAIN ST.
HONEOYE FALLS, N. Y.

VOYAGER CONVERTIBLE TOPS & WINDSHIELDS
Convertible top made of marine duck attaches to windshield with dot fasteners, and

has frame of polished aluminum tube. Prices: from $57. Also available are detachable side curtains. The Topper convertible top is self-supporting and does not attach to rigid windshield, but stands above windshield to allow ventilation through air space in front. Prices: from $54. Wraparound windshield is 18" high, available in either clear or tinted Plexiglas, and is equipped with chrome fixtures and deck molding. Available in six sizes, from 46" to 72" wide. Prices: from $39.

CUSTOM COVERS

Designed to fit specific boats. Pre-shrunk, form-fitted. 13 oz. army duck is water and mildew resistant. Available for most 1958 models. Boat tops are available for boats with wraparound, wooden or no windshields. Ful View windshields of white vinyl also available.

COVER VENTILATORS

Installs on boat covers to protect the canvas from condensation, mildew, rot. Made of polyethylene, may be bolted or sewed to cover. 3"x5"x2". Use 2 or 4 for runabouts, 4 or 6 for cabin cruisers. Additional information on request.

CAMPBELL MFG. CO., INC.
1345 PLOWMAN AVE.
DALLAS 3, TEXAS

STORMKING DELUXE

Boat cover made of coated laminated nylon fabric. Light, shrink-resistant, rot and mildew resistant, easy to clean. Weather, tear, and fire resistant. Comes in sizes to fit all major boat models. Available with or without zip-in motor cover in sizes to fit all motors. Prices range from $42.35 (14' without motor cover) to $59.68 (17' with motor cover).

DELUXE NEPTUNE

Boat canopy made of coated laminated nylon fabric. Light, shrink-resistant, rot and mildew resistant, easy to clean. Weather and tear resistant. All fittings are chrome plated solid brass. Price, $59.95.

COMFORT EQUIPMENT
2609 WALNUT, KANSAS CITY, MO.

CONVERTIBLE TOP

Retracts forward or backward for fishing or towing skiers. Features slanted front to prevent ballooning at high speeds. Adjustable snap-type anchor allows for quick retraction. Aluminum framework; waterproofed mildew resistant Army Duck top. Available for boats from 48" to 72" beams. Priced from $44.35. Additional information on request.

EUREKA TENT & AWNING CO., INC.
35-45 STATE ST.
BINGHAMTON, N. Y.

STANDARD SHAPE COVERS

Available in three grades, 12-17 ft. lengths, and two widths, with or without windshield pockets. Equipped with draw rope, reinforced grommets, and plastic-coated sailcloth on points of strain. Prices $11 and up.

CUSTOM COVER

Mildew and water-resistant preshrunk 4-ply army duck boat covers available in 4 colors. Also available: foldaway motor pouch, windshield pocket. Prices from $25.

BELLAIRE TOP

Convertible top and windshield combination, 6' long with 18" plexiglass windshield. Available in 4 widths, with choice of frame coating and hardware. Top material is 13 oz. preshrunk army duck available in 4 colors. Samples on request. Prices $71.87 to $98.87.

CUSTOM CONVERTIBLE TOPS

For boats with wooden windshields. Available in choice of frame coating and hardware. Tops of 13 oz. preshrunk army duck in choice of 4 colors. Prices $51.15 and up.

P. EVANSON BOAT CO.
4110 FREELAND AVE.
PHILADELPHIA 28, PA.

SAILS FOR CELEBRITY CLASS

Egyptian cotton. Price: main and jib, $155, main, $110, jib, $50, Genoa #1 (57 sq. ft.) $65, Genoa #2 (76 sq. ft.) $75. Custom-made cockpit cover, $45. Woven cotton, main, jib and Genoa sheets with thimbles, $6, $7, $8 respectively.

HERCULITE
PROTECTIVE FABRICS
125 SUSSEX AVE., NEWARK 3, N. J.

HERCULITE MARINE FABRIC

Roll goods available in 55", 20' and special widths for canopies, side curtains and upholstery. Fabric is mildew- and rot-proof, will not stretch or shrink, has high tear resistance and is waterproof. Available in colors.

COMING YOUR WAY

FIFTY-FIFTY "32"

Length	32' 3"
L.W.L.	26' 0"
Beam	10' 0"
Draft	3' 8"
Iron Keel	3000 Lbs.
Displacement	12000 Lbs.
Sail Area	450 Sq. Ft.

10 mph with 50 HP Engine.

Built of select materials with bronze, copper and stainless fastenings. SS & Chrome Fittings. Finest Construction & Finish. Two Layout Plans. Single or Dual Controls. Sleeps 6 in Comfort. Large Galley, Head & Storage Space. Fiberglass or steel optional construction. Cost complete, ready to sail away only:

$15,500.00

VALUE PACKED
Write for Complete Plans & Specifications

INTERNATIONAL YACHT SALES
604 Kerr Building, Detroit 26, Michigan, U.S.A. Telephone WO 5-6488

HERCULITE 80

A vinyl-coated nylon cargo hatch tarpaulin is of 18-ounce fabric available in any length with widths up to 100'. Seams are electronically welded. USCG approved.

HOLT, KNOWLES & CO.
631 SW 71st AVE., MIAMI 44, FLA.

CANVAS SPECIALTIES

Items offered include clan-print canvas bags, buckets, buffet-bearers and Baffeez, imported jute-soled canvas shoes.

LAFAYETTE SUPPLY CO.
WEST LAFAYETTE, OHIO

LAFAYETTE BOAT COVER CLAMP

Spring loaded clamp grips draw rope in hem of boat cover, and tension spring hooks into lashing hook attached to side of boat. Allows for approximately 2" shrinkage on each side of cover. Clip is rubber coated to prevent marring of the boat. Small neat lashing hooks extend only ½" from boat relatively eliminating danger of being bumped. 2 to 4 hooks are needed on each side of boat depending on size of boat and neatness of fit desired. Price, $.85.

NATIONAL CANVAS PRODUCTS CORP.
4014 VERMAAS AVE.
TOLEDO 12, OHIO

SUN MASTER SUN TOPS

New sun top is available in widths of 56", 60", 63", 66" and 70" made of 13-oz. Vivatex, and with ¾" polished aluminum tubing bows and aluminum fittings. Choice of colors.

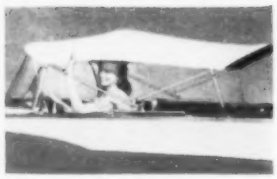
TOPMASTER BOAT TOPS

Custom made folding tops, side and aft curtains and covers for cruisers and outboards. Tops are of 13-ounce pre-shrunk "Vivatex" in white, khaki or pearl gray. Dot type fasteners used throughout. Frames are of ⅜" aluminum pipe. Anodized aluminum frames also available. Aluminum fittings standard on tops for boats to 18-feet. Chrome brass fittings standard on boats of 19 feet and up.

PRE-VUE CO., INC.
2300 E. 26th ST.
MINNEAPOLIS 6, MINN.

CONVERTIBLE TOP

Convertible top folds back behind stern seat or windshield, with simple mechanical locking device which can be disengaged to allow top to be pushed back from windshield. Sliding hinge rail allows top to be folded either forward



or backward. Fits any boat regardless of windshield type used. Also available: a complete line of button-down tops and a custom convertible line in a complete range of sizes to fit all standard makes of boats.

REEVES BROS., INC.
1071 AVE. OF THE AMERICAS
NEW YORK 18, N. Y.

BOAT FABRIC

Synthetic-rubber-coated nylon fabric for use on boats. Rot, mildew resistant. Will take any color; easy to clean, repairs with sealing kit. Provides a waterproof cover for boats.

SEABREEZ MARINE PRODUCTS DIV. OF HILL ENGINEERING CO.
516 N. STERLING
SUGAR CREEK, MO.

UNIVERSAL HARD TOP

Fiberglass hard top is available in three sizes for outboard boats. Weatherproof top has adjustable air vent and is simple to install and detach. Prices: from $119.50.

STERLING PRODS. CO., INC.
180 E. SIXTH ST., ST. PAUL 1, MINN.

BOAT AND MOTOR COVERS

Polyethylene boat covers in sizes 12' to 21', priced from $8 to $21. Also available: canvas boat covers, vinyl motor covers, accessories, water skis, tow rope, boat house kit. Of special interest is a solid aluminum transom plate for various motor installations, $1.85 to $5.

N. A. TAYLOR CO., INC.
14 W. 9th AVE., GLOVERSVILLE, N. Y.

FLAGS AND PENNANTS

Nylon flags are "perma-print" dyed for weather-fastness, available in 12"x18" size. Cotton pennants with novelty and precise nautical meaning, are printed on sail cloth, available in 10"x16" size. Prices: flags, $2.65, and pennants, $1.25.

BOAT COVERS

Stock models available for boats with or without a windshield. Made from 10.10 oz. U.S. Army Duck, "Vivatex" treated for weather resistance. Aqua Grey color. Double lock-stitched with Orlon thread. Also motor hoods. Prices start at $28.75. Flags and pennants also available.

HOLIDAY CONVERTIBLE

Made of aqua gray vivatex duck with polished aluminum frame and chrome hardware. Deluxe models available in white vinyl coated nylon fabric and vinyl coated frame. The windshield is available in 18" and 20" lengths, equipped with speedaire wing ventilators. Color catalog on request.

CONVERTIBLE TOP AND WINDSHIELD

Holiday convertible top has "Top-Lok" windshield frame for heavy gauge plexiglas windshield, and is available in 56" and 72" lengths in duck or Hypalon sport topping. Side curtains are of transparent vinyl. Prices: from $103.40. Side curtains, from $19.95, and protective storage boot, $7.95.

TEXTILEATHER DIV.,
GENERAL TIRE & RUBBER CO.
TOLEDO 3, OHIO

NAUTOLEX FABRICS

Synthetic fabrics for a variety of uses. Wide range of patterns and colors. Acid, oil, scratch resistant; colors fade, crack, and peel proof. Designed for upholstery, cabin top, transom, and floor and motor housing covering.

BOAT SEATS

ARVIN INDUSTRIES, INC.
COLUMBUS, IND.

LEISURE CHAIRS

Folding chairs have all-steel frames. Model #R1114 has saran material back and seats, and Model #R0114, green vinyl fabric, and #R0124, a

red fabric. Prices: #R1114, $4.95; others, $5.95.

COMFORT CO.
200 SO. 7th ST., ST. LOUIS 2, MO.

MODEL NO. 556 PILOT CHAIR

Has seat size of 17½" wide and 16½" deep. Both seat and arms cushioned with 2½" molded foam rubber. Back size is 13"x 12" cushioned with 1½" foam rubber. Seat back and foot ring are adjustable. Seat adjustable from 22" to 31" from deck. Foot ring adjustable from 3" to 10½" from deck. Seat back and arms are covered with Naugahyde perforated for coolness. Standard colors red, blue or green. Steel frame finished in neutral gray. Model 55, without arms, also available.

MODEL NO. 1145 PILOT CHAIR

Has a seat size of 19" wide and 18" deep. Seat back and arms are cushioned with 2½" molded foam rubber. Back size 17"x14". Seat height adjustable from 22" to 31". Foot ring adjustable from 3" to 10½" from deck. Seat back and arms covered with elastic Naugahyde in green, blue or red. Steel frame finished in neutral gray.

HIMALAYAN PAK CO.
MONTEREY, CALIF.

CREW SEAT

Foldaway chair has anodized aluminum frame and navy blue duck fabric. Price, $8.95.

LAFAYETTE SUPPLY CO.
WEST LAFAYETTE, OHIO

LAFAYETTE DINBEC BOAT SEAT HINGE

Installation requires only the purchase of a board 1 ft. wide and desired length for seat back, which is bolted to seat hinges. Hinges are then bolted to present boat seat. Constructed of alloy aluminum, rustproof. With one backrest a variety of positions are pos-

sible: down or horizontal for rowing and to keep seat dry when boat is not in use, tilted back to face forward, and tilted forward to face aft. Price, $7.25.

PERKINS MARINE LAMP AND HARDWARE CORP.
159 SNEDIKER AVE.
BROOKLYN 7, N. Y.

HELMSMAN'S SEAT

Helmsman's seat swivels 360° on stainless steel ball bearings, and stows flat against the bulkhead on which it is mounted when not in use. Rack is adjustable, and unit is of anodized polished aluminum. Also complete line of marine hardware.

SCOTT PORT-A-FOLD, INC.
ARCHBOLD, OHIO

HSR-26 HELMSMAN SEAT

Can be used on any cruiser, has 14"x16" seat and 10"x15½" backrest, heavily upholstered and covered with weatherproof vinyl plastic. Swivels

360 degrees. Tubular U-shaped seat support locks into special bracket and may be fastened to bulkhead or coaming, or rest on deck. Height adjustable. Price: $34.95; West Coast, $35.75. Model HS-261 is same, but without arm rests. Price: $29.95; West Coast, $30.75. HS-262 device locks seat in forward position, $5 extra.

HOR-340 DELUXE SWIVEL

14"x16" seat, 9"x15½" backrest and arm rests, all upholstered and covered with weatherproof vinyl plastic. Swivels 360 degrees. Adaptable to all flotation-type boat seats. Price: $16.95; West Coast, $17.75.

OS-24 DELUXE SWIVEL

12½"x12½" seat and 7½"x14" postured backrest, both upholstered and covered with weatherproof vinyl plastic. Swivels 360 degrees. Adaptable to flotation-type boat seats. Price: $12.50; West Coast, $13.00. Model OSM-23 is same but has backrest of pressed wood. Price: $11.50; West Coast, $12.00.

DSR-27 SWIVEL DECK CHAIR

For use on any type boat; may be fastened to deck if desired. 14"x16" welt-edged seat, 10"x15½" posture-curved backrest and arms, heavily upholstered and covered with weatherproof vinyl plastic. Swivels 360 degrees. Price: $28.95; West Coast, $29.75. Model DS-271 is same but without arm rests. Price: $23.95; West Coast, $24.75.

OSR-25 DELUXE SWIVEL

14"x16" welt-edged seat, 10"x 15½" posture-curved backrest, heavily upholstered and covered with weatherproof vinyl plastic. Swivels 360 degrees. Adaptable to all flotation-type boat seats. Price: $22.50; West Coast, $23.25. Model OSR-251 is same, but without arm rests. Price: $16.95; West Coast, $17.50.

TELESCOPE FOLDING FURNITURE CO.
GRANVILLE, N. Y.

FOLDING CHAIR

Mahogany stained or natural finish hardwood seat and backs, with brass screws, on a polished 1" aluminum frame fitted with stainless steel and aluminum hardware-fastenings. Price: nat. finish, $20.30; mahogany fin., $23.20.

YACHT CHAIRS

Full line of wood and aluminum chairs, stools, and table, with rubber-tipped legs to prevent marring deck. Wood chairs have mahogany frames, brass and chrome-on-brass hardware, and rubber-tipped

ROSS *Sportsman*
FULLY TRANSISTORIZED DEPTH FINDERS

to make small boating better

- **FULLY TRANSISTORIZED!**
- **NO VIBRATORS to cause trouble!**
- **DRY-CELL POWERED, just 1/10 amp!**
- **NO TUBES to wear out!**
- **NO WARM-UP, flip switch and read!**
- **plus MAGNETIC KEYING *for trouble-free long life!***

Now—for even the smallest sail or outboard craft—Sportsman 80' *Fully Transistorized* Depth Finders stand alone in dependability, minimum maintenance, compact design. Three models: single unit, remote, or portable—all operate on inexpensive dry cells, can be installed in minutes . . . to get you there and back safe and sure, with lots more fun in the going and in the fishing. See your dealer today, or write:

ROSS LABORATORIES
124 Lakeside Avenue **Seattle 22, Washington**

T-80
Single unit, corrosion proof fibre glass housing. Ideal for small outboard, inboard, or sailboats. Complete with transducer.
$128.50* less battery

S-80
Cowl mount, 3⅜-inch diameter full chrome weathertight indicator, electronic unit mounts out of the way. Complete with transducer.
$148.50* less battery

P-80
Fully portable, available with thru-hull or portable transducer, same plus features as fixed models, lightweight case also provides battery storage.
$148.50* less batteries

** all prices F.O.B. Seattle, subject to change*

back posts; aluminum chairs are smudge and corrosion resistant, mahogany hardwood parts. All fold away for storage. Prices and details on request.

WINCHES & HOISTS

CHISHOLM-MOORE HOIST DIV., COLUMBUS McKINNON CHAIN CORP.
TONAWANDA, N. Y.

LODESTAR ELECTRIC HOIST

Electric chain hoist in ⅛ to 1 ton capacities has push button control, is fully enclosed to protect all parts. Adjustable upper and lower safety limits. Self-adjusting heavy duty brake. Special 30-minute rated, cool running hoist duty motor. Operates on 115 volts.

CYCLONE HAND CHAIN HOIST

Made of aluminum alloy, ¼ to 10 tons capacities. Welded steel load chain furnishes maximum flexibility. Double sealed ball bearings at each rotating point. Quick-acting brake.

CROWELL DESIGNS, INC.
P.O. BOX 21, 2106 BRIDGE AVE.
POINT PLEASANT, N. J.

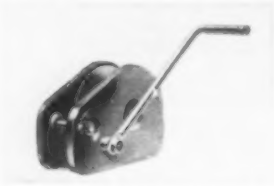
GEARHEAD MOTOR HOIST

Approximately 10"x4½"x5". A compact, powerful motor hoist with 20:1 reduction drive. Splashproof and sparkproof, it uses all DC voltages. Price, $95.

GEARHEAD MOTOR WINCH

5" high, 4½" wide, 10" long. This splashproof motor has a power ratio of 20:1, ¼ hp DC. It is available in all DC voltages. Price, $95 to $115.

T & T TOOL & DIE CO.
1115 SIXTH ST., ROCKFORD, ILL.



MULTI-USE WINCH

Model 42 1500 multi-use service winch has 1500 lb. pulling power, with 3 to 1 gear ratio and extra long steel handle. Switching lever gives operator reverse, forward and neutral operation. Winch is of heavy gauge, one-piece steel. Prices: $10.50 cadmium finish; $13.65 chrome finish.

THERN MACHINE CO.
3760 W. 4th ST., WINONA, MINN.

MODEL 50W REEL WINCH

For use as anchor winch or boat winch on light trailers. Holds 190 ft. of ⅛" cable, pulls 500 lbs.

TRANSMAR, INC.
161 E. ERIE ST., CHICAGO 11, ILL.

BOTTOM ACTION WINCHES

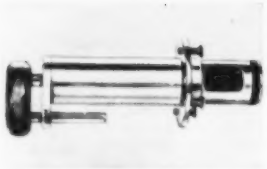
English-built; aluminum-bronze construction; alloy steel center; inner lubrication prevents rusting. Available as set for starboard and port. Price per set, $45.

PUMPS & BAILERS

BRITISH MARINE PRODUCTS
80 SHORE RD.
PORT WASHINGTON, N. Y.

TUPHBLOX AUTOMATIC BAILER

Tuph Bailer has a patented valve action operated by a laminated handle atop the fitting. With a twist and push downward, the bailer is placed in operation, the forward movement of the boat drawing



bilge water out. After bailing, the handle is returned to the closed position, and the hull opening is tightly closed by a rubber-valve type of washer. When the bailer is in the closed position, the bottom of the boat is smooth, with no obstruction whatever. The valve action prevents the possibility of any siphoning or leaking back.

CROWELL DESIGNS, INC.
P.O. BOX 21, 2106 BRIDGE AVE.
POINT PLEASANT, N. J.

MODEL D PRESSURE PUMP

Length, 14"; width 5½", height, 6½". Capacity to 500 gallons per hour, with pressure setting; *on* 25 lbs., *off* 40 lbs. This self-priming pump uses all DC voltages—⅙ hp, and has positive displacement. Also available in 110 v. A.C. Price, $115. Separate pressure tank necessary, price, $42.50.

MODEL J PUMP

A multi-purpose and bilge pump available in all DC voltages. With capacity to 1,000 gallons per hour, and ten feet of dry lift, it has positive displacement and is self priming. It mounts high and dry to prevent electrolysis, and is splashproof and sparkproof, with sufficient outlet to use for washdown or emergency engine cooling. The pump is water-lubricated and will pass small solids without damage. Price $90.

NOS. BPI (⅜") & BP2 (¾") PUMPS

Length, 14", width 4½", height, 5". Operated by all DC voltages and have capacity to 1,000 gallons per hour at ⅙ hp. They can pump either water or hydrocarbons, and features include pressures to 150 p.s.i., positive displacement, self-priming, and no electrolysis. Pumps are splashproof, sparkproof, and will lift 15 feet on suction side. Also available in 110 v. A.C. Price, $90 to $100.

DE PERSIA
GRAND HAVEN, MICH.

AUTOMATIC BAILER

Mounts on boat bottom near stern, functions automatically by vacuum from boat's movement through the water. Machined aluminum casting, anodized and dichromate sealed. Seal rings and valve seat of Neoprene; solid Polyethlene check ball automatically closes bailer when speed is reduced. Safety cap for securing bailer when boat is on mooring.

EDSON CORP.
334 S. WATER ST.
NEW BEDFORD, MASS.

HAND BILGE PUMP

Self-priming hand bilge pump has "Lever Action" and will pump water containing large amounts of sand, wood shavings and other bilge waste at the rate of 25 gallons per minute. Pump is 7" x 11" x 15", weighs 28 lbs. and can be operated through standard 4" diameter deck plate. Available in either bronze or galvanized with reinforced rubber valves. Prices: bronze, $92; galvanized, $68.

GORMAN-RUPP IND., INC.
HINES AVE., BELLVILLE, OHIO

1606-M & 1612-M FRESH WATER PUMPS

Centrifugal pump is available with either 6 or 12 volt motor and may be used with any existing faucet or connected by a rubber hose to tubing and operated with snap or rotary switch. Pump housing is of non-porous, non-corrosive smooth rigid plastic.

9115 115V PUMP

Bait or bilge pump is powered by 1/35 HP 110-volt motor enclosed in plastic case, with 6' cord and plug attached, and is supplied with "V" mounting clip. Housing is of non-porous, non-corrosive smooth rigid plastic, with semi-flexible impeller to lessen jamming or stalling. Also available is H-6 accessory kit, consisting of four wire legs with rubber suction cup feet, and 6' of rubber discharge hose.

906 & 912 SERIES PUMP

Bait or bilge pump is available for use in both 6 and 12 volt systems with wet or dry battery, and is powered by a 1/35 HP motor operating at 3,000 rpm. Pump housing is of non-porous, non-corrosive smooth rigid plastic, and pump has semi-flexible impeller to lessen jamming or stalling. Mounts to bulkhead, transom, deck or bilge with spring steel "V" clamp.

KENCO PUMPS
1305 OBERLIN AVE.
LORAIN, OHIO

KENCO PUMP

Pump, model 101, capacity 600, 2700 rpm, 6½" high, 5" diameter. Available 6, 12, 32 volt DC and 110 v AC. Weight approx. 14 lbs. Completely submersible, all bronze. Pump impeller coupled direct to motor, no bearings operating in water. Switch works with any voltage pump. Prices range from $38.50 for non-automatic 6 volt to $68.75 for automatic 110 volt.

LAFAYETTE SUPPLY CO.
WEST LAFAYETTE, OHIO

LAFAYETTE D-6

Hand operated bilge pump. 20 gauge zinc coated steel barrel,

length 24", diameter 1½". Weighs 2½ lbs. Capacity of more than 10 gal. per minute. Screw-on top and bottom caps, replaceable leather sucker and check valve of oil-treated leather. Price, $4.25.

PETERS & RUSSELL, INC.
SPRINGFIELD, OHIO

"PAR SHORT STROKE" BILGE PUMP

Designed for use in limited space. Pumps 10 gallons per minute. Price $22. "Sea Mate Short Stroke" pumps 5 gals. per minute. Price $12.25. A variety of pumps incl. portable "Little Pal," $4.25.

"HIDE-AWAY" PUMP

Attaches to hull frame members of any boat having 14" clearance beneath floor. Pumps up to 15 gallons per minute. Complete with detachable shaft, $38.

"GALA" GALLEY AND LAVATORY PUMPS

Molded neoprene units said not to require priming. Delivers one quart with 9 strokes. Prices $9.60-$15.

"SUPER SUCKER" CAN-TOP CLEANOUT PUMP

Fits onto neck of 5-gal. or 2½-gal. cans and discharges directly into the can, eliminating dripping. With hose and draw tubes, $7.50. Super Fuel-er is similar, but with reverse pumping action to

eliminate splashing and fire hazards. With filler hose, $750.

THE SHIP'S CO., INC.
P. O. BOX 42, NOROTON, CONN.

AUTOMATIC BILGE PUMP

Pumps 50 to 200 gallons in 24 hours. Motorless; powered by the boat's motion. Water is pumped through a hull fitting above the water line. Weight 16 lbs. 18" max. water lift recommended. Price, $49.50.

TRYLON CHEMICALS, INC.
LOCK HAVEN, PENNA.

TRYLON BILGE PUMP

New marine floating pump has barrel, handle and extensions of newly-developed, high density, wear-resistant polyethylene. Spout, piston and valves are of low-density polyethylene. Non-corrosive, and not affected by salt water, oil, gasoline, caustics, acids or solvents. Double-action pump has "slit-type" foot and plunger valve. Supplied with an 18" extension to increase normal 24" height to 41". Extension can be cut to any desired length. Pumps 10 gallons per minute. Price, $6.95, including extension.

FIRE EXTINGUISHERS

MARINE DEPT.
ANSUL CHEMICAL CO.
MARINETTE, WISC.

ANSUL EXTINGUISHERS

Manual and automatic, portable and semi-portable dry chemical models, in varying capacities. Underwriters' Laboratories approved. For Class B (flammable liquid) and Class C (electrical) fires.

M. L. SNYDER & SON, INC.
JASPER & YORK STS.,
PHILADELPHIA 25, PA.

No. 405 EXTINGUISHER

Carbon dioxide extinguisher for protection against gaso-

line, oil, grease, alcohol, naptha, kerosene, electrical and machine fires. Equipped with squeeze grip valve. Available in 2½, 5, 10 and 15 lb. sizes.

FIRE EXTINGUISHER

Vaporizing liquid pump-type fire extinguisher, available in 1 qt. and 1½ qt. sizes, Coast Guard approved.

THE NEW COAST GUARD FIRE EXTINGUISHER REGULATIONS

TOXIC vaporizing liquid type fire extinguishers will no longer receive Coast Guard approval for use aboard pleasure boats, yachts, motorboats, and certain commercial vessels, it was announced September 5, 1958.

The announcement in the September 6 Federal Register includes carbon tetrachloride and chlorobromomethane type extinguishers.

Following a public hearing in March of 1958, the Merchant Marine Council recommended to the Commandant of the Coast Guard that this action be taken primarily because of the toxic vapors which result from the use of such extinguishers. These changes will affect vessels and boats as follows:

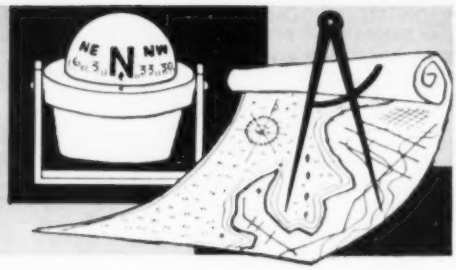
1. All requirements with respect to toxic vaporizing liquid type fire extinguishers are removed from the vessel inspection regulations, except for tank vessels and small passenger vessels carrying more than six passengers. (Similar amendments will be proposed to the regulations governing such vessels and will probably be included in the Public Hearing Agenda of the Merchant Marine Council for consideration at a March 1959 public hearing.)

2. After January 1, 1962, the carrying of such extinguishers on pleasure boats, yachts, etc., as Coast Guard approved equipment will not be permitted.

3. The use of toxic vaporizing liquid type fire extinguishers is specifically prohibited on Coast Guard inspected vessels except tank vessels and small passenger vessels carrying more than six passengers on and after January 1, 1962.

4. All current Coast Guard approval granted for the manufacture of toxic vaporizing liquid type fire extinguishers are withdrawn effective December 6, 1958. However, such extinguishers manufactured prior to December 6, 1958 and in service may be continued in service until January 1, 1962, so long as such extinguishers are in good serviceable condition. — ⚓

NAVIGATION AIDS & EQUIPMENT



FROM the minute the boatman casts off the dock line, he is involved in navigating his boat. Even a short run across the bay under perfect visual conditions, or an afternoon of water-skiing, involves at least some rudimentary form of navigation, or as it's called when operating inshore—piloting. No one wants to run his boat on the rocks, wind up on a sand bar for four hours until the tide changes, or subject his passengers to an uncomfortable night ashore because he could not make his destined harbor. Accurate and competent along-shore navigation can prevent this. The boatman who becomes rusty or scorns the pleasure of exercising his ingenuity and self-reliance as skipper-navigator, misses a great deal of the attraction inherent to our sport of boating.

Minimum Equipment

Every boatman, no matter how small his craft nor how confined the waters in which he cruises, should have an accurate compass aboard, know the variation of the region, and the deviation caused by iron or steel present. An up-to-date chart for local waters will show where submerged rocks lie in wait for unwary craft, or where safe, deep water anchorages can be found. Either the Coast and Geodetic Survey, the Branch Hydrographic office, or the Corps of Engineers can provide charts at a cost that is probably the best bargain in boating. A pair of dividers will step off the distance between runs, and with simple arithmetic, you can predict arrival time. A course protractor can help to lay off a compass course to the next buoy, so that fog need hold no fears for the experienced boatman.

Radio Aids To Navigation

The modern boatman is fortunate in the wealth of reasonably priced electronic navigation equipment now made available by manufacturers. Even in a small outboard, with one six volt battery, a ship-to-shore transistorized radio can keep the navigator advised of weather changes or hurricane warnings, and he can broadcast emergency ship-to-ship, or distress communications. Many of these radios are dual purpose and can also receive standard broadcast bands for pleasant listening to music or news during those leisurely summer picnics. Portable depth sounders and depth recorders are available which are suited to the small boat, can be used to locate schools of fish, and can be packed up and taken home when the boating day is over. At least one manufacturer has introduced a small boat Loran (long range radio aid to navigation) which can pinpoint landfalls for the offshore cruiser with ocean liner accuracy. The same company has introduced a 5 and 10 inch Radar which can tuck up out of the way in the pilot house and does not require the top-heavy radar scanners of the past. Portable radio direction finders are being produced that take up less room than a large camera, and operate for a whole season on a few flashlight batteries. With these RDFs, cross bearing can be taken for a "fix," or homing signals can be ridden in to provide a safe harbor in the thickest weather. Gyro-compasses which are unaffected by the presence of abberation-causing metals, will soon be available to the boat-owner, and at least two companies now make these units in practical small boat sizes. Electric tachometers for inboard and outboard boats have long been available, and take the guesswork out of estimating the day's run. The owner who habitually makes short runs out to the fishing grounds, a few miles off shore, might find a radio-telephone useful for listening to other boats to find out where the big ones are biting, but a Loran or Radar would be a foolish waste of money. On the other hand, the small moderate draft sailboat, which cruises in shoal water, can easily justify the purchase of a Depthometer to keep out of trouble, and the 50′ motor yacht making annual cruises through congested waters to the Southlands will find a low-cost Radar an insurance policy for safety. Learn your basic piloting and navigation with hand instruments first, and learn your local waters. Then tailor your electronic equipment cash outlay to your needs . . . and your pocketbook.

CHECK LIST FOR THE NAVIGATOR

- ☐ **Are you fully aware of the complete range of navigating aids available to boatmen?**
- ☐ **Do you consider accurate piloting "just at edious chore," or do you exploit navigation as one of the pleasures of boating?**
- ☐ **Have you taken advantage of the cost-free organizations that teach piloting and navigation, such as the U.S. Power Squadrons and the Coast Guard Auxiliary?**
- ☐ **Have you taught your wife, or habitual cruising partner, enough rudimentary navigation to bring the boat safely home in case you are incapacitated?**

COMPASSES AND CHARTS

- ☐ **A Government chart is an aid to navigation. Has reading one become second instinct to you?**
- ☐ **Is the bouyage system of the United States familiar to you?**
- ☐ **Do you "boat by the seat of your pants," or utilize a reliable compass, and know how it works?**
- ☐ **Does a pea-soup fog scare you, or present an opportunity to practice with confidence the principles you have learned?**

RADIO AIDS

- ☐ **Is the nature of your cruising such that a good RDF will prove a valuable adjunct to your equipment?**
- ☐ **Do you understand the principle and operation of a Depthometer?**
- ☐ **Can you correct an RDF bearing for plotting on a mercator chart?**
- ☐ **Radar, Loran, RDF, Depthfinders and gyro-compasses are all now available for the small boat. Do you need one?**

NAVIGATING ACCESSORIES

- ☐ **A pair of good binoculars is a navigating aid. Do you own a pair?**
- ☐ **If you struggle with mathematics, could you use an inexpensive and simple time-speed-distance calculator?**
- ☐ **A course protractor or parallel rulers, dividers, pencil, eraser, and compass are minimum equipment aboard any boat. Do you have them?**

NAVIGATION AIDS

AUDIO EQUIPMENT CO.
75 HARBOR RD.
PORT WASHINGTON, L. I., N. Y.

PORTABLE "TP" MEGAPHONE

Effective underwater range up to ¾ mile; weight 5¾ lbs. New "TP" (Transistor-Powered) model has 3-stage amplifier, uses four power transistors and hermetically sealed transformers. Runs on standard flashlight cells. Wholly self-contained. Pistol grip for one hand operation. Weatherproof, 2-tone green finish. Price complete with batteries, $99.50.

THE CROW'S NEST
475 FIFTH AVE., NEW YORK 17, N. Y.

CALCULAID PILOTING COMPUTERS

Computer provides quick solutions to problems involving inshore piloting, and propeller pitch/rpm/slip/speed, as well

as boat speed, time and distance problems. One "Calculaide" is used for the above problems. Second, using two bearings and the run between, solves for distance off at the time of the second bearing, and calculates distance off when abeam. It also serves to detect and measure cross set and drift caused by wind or current. Units are of non-warping Vinylite plastic. Markings are indelibly heat-sealed into the plastic. Matched pair of computers in waterproof vinyl pocket carrying case, price, $9.95.

DEVELOPMENT ENGINEERING CO.
9 CROSS ST., NORWALK, CONN.

AUTOMATIC FOG SIGNAL TIMER

Model U has selector switch to actuate timer for international rules or inland waters, or Great Lakes or for a sailboat. Model M available in separate timers for use on inland waters, Great Lakes and Western rivers. Price: Model U, $44.50; Also available, 3/8" electric air valve, $42. Model M, $39.50.

FREDERICK GOERTZ LTD.
VANCOUVER, B. C.
DISTRIBUTOR FOR WESTERN CANADA

KELVIN & HUGHES BRITANNIA SEXTANT

One of a number of K & H models. Divided from 5° to 1250 on silver arc. Radius, 6½". Reading, to .2 minute by means of micrometer. Index mirror, Class A rectangular 1.9"x1.3". Horizon mirror, Class A rectangular 1.3"x1.8". Shades, neutral tinted. Telescopes, Achromatic Erect Star, magnification 2.5, field 7°, aperture 1.22"; Achromatic Collimating, magnification 5, field 4°, aperture .75". Electric lighting on index arm. Certificate, Kelvin Hughes Class A. Weight, with Achromatic Erect Star Telescope, 4 lb. 2 oz.

GUEST PRODUCTS CORP.
35-04 30th ST.
LONG ISLAND CITY 6, N. Y.

GUEST CHIEF POWER MEGAPHONE

Transistorized power megaphone is self-contained hand-held unit of unbreakable vinyl and polyethylene plastics, and uses standard lantern battery power. Price, $57.50.

WIND INDICATOR

Designed for racing and cruising sailboats. Shows direction of apparent wind on a dial. Price, $265.

GUEST WEATHERCASTER

The dials on the front cover enable you to cast the weather simply, quickly, accurately and completely. Even expected direction and strength of the wind. Price, $3.

PARALLEL RULER CHARTMASTER

Sliding knee action. Walks across the chart. Length 18". Price, $17.50.

HEATH CO.
BENTON HARBOR, MICH.

RUDDER POSITION INDICATOR

Heathkit model R1-1 in kit form is calibrated to record rudder angle 60 degrees port and starboard of the midships position. Operates on 6 or 12 volt systems. Kit includes chrome-plated brass panel, wire wound potentiometer, sealed water-tight meter with D'Arsonval movement, and 23' of three-conductor cable for connection between transmitter and receiver. Position receiver dimensions are 3¼" x3¾"x2⅜". Price, $14.95.

INLAND WATERWAY GUIDE
25 P WEST BROWARD BLVD.
FT. LAUDERDALE, FLA.

WATERWAY GUIDES

A complete guide for the cruising man, to the Inland Water-

MOLDED PLYWOOD RUNABOUT HULLS...

In our famous smooth Philippine mahogany faces or revolutionary new ply-lap construction. Choice of 9' to 17' hulls—easily finished—aquadynamically superior! Get full details and price list. Write for free catalog today!

with MOLDED PLYWOOD CRUISER HULLS

Build your cruiser on a molded plywood hull. Save up to 75% in labor. Save half the cost of a fine cruiser. Choice of 19' to 24' hulls of multi-laminated, smooth Philippine mahogany faces. Lightweight, seamless, water tight, rot proof and stronger than steel by weight! Aquadynamically superior with true balance and compound curves molded for life into the wood. All bronze fasteners. Pre-cut parts available. Free blue prints and detailed instructions with orders. Hulls are easy to finish with simple hand tools... produce cruisers comparable in every way to fine custom-built jobs. Write for catalog today.

Pre-cut parts available make it easy to finish your hull into one of the sweetest cruisers afloat. Free blue prints with hull orders.

U.S. MOLDED SHAPES, INC. 647 Market St., S.W. Grand Rapids, Mich.

ways of the United States. Southern, Northern, Great Lakes and Gulf editions. Price, $1.50 per edition. Northern and Southern editions bound together in leatherette, $5. Your name or name of boat in gold, $1.

SEABRIGHT MARINE
1630 SUPERIOR, COSTA MESA, CALIF.

BOAT AND SHIP BELLS

Custom-manufactured boat and ship bells, cast and polished to specification. Prices vary.

SOUTH COAST CO.
NEWPORT BLVD. & 23rd ST.
NEWPORT BEACH, CALIF.

RUBBER YACHT TIMER CASE

A shock-absorbing case to protect timer from jarring or moisture. Will fit standard sizes of stop watches or yacht timers. Black rubber. Weight 1 oz.

TROPICAL MARINE
BOX 344, DELRAY BEACH, FLA.

WINDETECTOR

A mast head fly and wind direction indicator for sailboats that responds to lightest or heaviest winds and will operate at any angle of heel. Red vinyl plastic, monel rod and metal mounting base. Completely weatherproof; fits all mastheads. 14½" long, 6" high, weighs 2 ounces.

WEEMS & PLATH, INC.
229 PRINCE GEORGE ST.
ANNAPOLIS, MD.

PLATH MARINE SEXTANT

The mirrors are coated with a protective paint which preserves the silver from humidity. For daytime observations sun shades of varying intensity are provided which make it possible to dim or black out the image according to requirements. Furnished complete with adjustment key, brush, certificate, mahogany carrying case and telescope. Prices vary with the type telescope desired. Price, $250.

WEEMS SYSTEM OF NAVIGATION
229 PRINCE GEORGE ST.
ANNAPOLIS, MD.

DUNLAP CHART MEASURER

Designed with special scales for use on Coast & Harbor Charts of the U. S. Coast & Geodetic Survey. This is a precision instrument, made in Germany, all metal with no plastic parts to wear or warp. Two scales on each side. Price, $2.95.

WEEMS PARALINE PLOTTER

Designed scales at 1:20,000—1:40,000—1:80,000 to fit U. S. Coast & Geodetic Survey Coast & Harbor charts. Price, $4.50.

HOEY PLOTTER

Plotter for the yachtsman big enough for almost any chart work but small enough for use in the restricted space available on many small boats. Made to U. S. Navy specifications of heavy, transparent plastic. 4" radius protractor scale divided to ½°. 12" rotating arm can be clamped in any position. Arm has beveled edge roughened to take pencil marks for measuring distances. Price, $5.

Other aids to navigation also available.

LIGHTS

ARNOLT CORP.
ARGONNE RD., WARSAW, IND.

ARNOLT IVALITE SEARCHLIGHTS

Operating on 6 or 12 volts, these chromium plated models have lens diameters ranging from 4½" to 7" and a base diameter of 3¼". They draw from 30 to 100 watts, have from 60,000 to 115,000 candlepower, and a range of from ¼ to 1 mile. Special features include 360 degree rotation sealed beam bulbs, remote and direct control. They are priced from $62.95 to $148.95.

ATTWOOD BRASS WORKS
GRAND RAPIDS, MICH.

SEAFLITE HORN AND BOW LIGHT

Has dual electric horns concealed behind grill base. Bow light has top opening for bulb replacing. Flagstaff available as accessory. Operates on 12 volts unless 6 volts are specified. Also available: bow light for smaller runabouts which may be mounted on the stem of the boat; stowaway stern light with detachable shaft, 16-side plastic dome light; other fittings also available.

BURGESS BATTERY CO.
FOOT OF EXCHANGE
FREEPORT, ILL.

RADAR BOAT-LITE KIT MODEL BK100

Kit contains everything needed to meet USCG requirements for lights on small boats; combination red-green running light; stern light; 6 volt battery; toggle-switch; mounting bracket, twin-lead insulated wire sufficient for a 26' boat and screws and necessary hardware. Price, $17.95.

No. TW3 Burgess Radar-Lite deluxe model with 40,000 candlepower sealed beam spotlight unit and red flashing beacon. Heavy electro-plated chrome finish. Weatherproof, silver contact switch assures positive action. Comes complete with TW1 battery which can be installed as easy as putting the cap on a toothpaste tube. Price, $12.40 each, retail.

TW7 RADAR-LAMP

This lamp sheds a brilliant light to illuminate a wide area, and comes complete with TW1 battery which can be installed quickly. It may be carried or hung with no danger of fire or explosion. Price, $8.95.

CARPENTER MFG. CO.
SOMERVILLE 50, MASS.

CARPENTER SEARCHLIGHTS TYPES 1011, 1008, 1028, 106 & 116

These models operate on 6 to 32 volts and have lens diameters ranging from 6" to 11", with base diameters from 4" to 7". They draw 42 watts, have 60,000 to 200,000 candlepower and a range of from 1 to 2 miles. Available in polished brass and chrome. Models priced at $157.50, $76, and $45 have inside control levers; model priced at $50.75 has deck control, and $40.50 model has Push-and-Pull Underdeck control.

CARPENTER TYPE F-5 PORTABLE HAND SEARCHLIGHT

This portable hand model is battery-operated and has lens diameter of 6". It draws 12 watts and has 50 candlepower and a range of 1 mile. It is available in aluminum and is priced at $18, plus $6 for battery.

WATCHMASTER

Emergency illumination when 110/120 volt AC lighting current fails. A self-contained battery in the unit is plugged in to 110/120 volt line; when current on that line fails, Watchmaster lights come on and continue for several hours depending upon number of lights. Available in various sizes, with different types of beams.

KAINER & CO.
CHICAGO, ILL.

MODEL 926 BOW LIGHT

Features detachable flagstaff (optional). Overall height from deck line, including flagstaff, is 14". Chrome finish.

K-S MARINE PRODUCTS
OAKVILLE, CONN.

MARINE LAMPS AND ACCESSORIES

Full line of lights, flagpoles, ventilators, battery boxes, etc. Have solid brass construction and triple chrome plate finish; non-magnetic. Lights include deck mounted searchlights, running lights, telescoping searchlights, telescoping and other types of stern lights, remote controlled searchlights and handlights. Trailer tail light also available. Catalog giving descriptions and prices available on request.

MERRIMAN BROS., INC.
185 AMORY ST., BOSTON, MASS.

NAUTALITES

Three spotlight models are made of chrome-plated brass and stainless steel, and are for 6 or 12 volt systems with 55,000 candlepower sealed beam unit. Available with 340° rotation or 360° rotation. Prices: from $15.50.

PENTA, INC.
6039 11th AVE.
S. MINNEAPOLIS 23, MINN.

PENTA-BEAM LIGHT

Flat-sided case allows light to be beamed at five different angles. Does not require hand holding, props, rigs, etc. Can also be used as hand light. Uses standard flashlight batteries, shoots up to 1000' beam. Price $2.98.

PORTABLE LIGHT CO.
216 WILLIAM ST., NEW YORK, N. Y.

RAY LINE SEARCHLIGHTS

Line includes "Half-Mile-Ray" and "One-Mile-Ray" marine searchlights, ranging from 5 to 20" in diameter. Manufacturer also offers remote control searchlights, and portable units with self-contained batteries for outboard boats. A "twin-beam" light with pilot house control has 2 sealed beam bulbs for concentrated ray and floodlight. Maker also offers "Ray-Line" manually operated air horns in 2 sizes, as well as Sireno Sirens.

RAY-O-VAC CO.
212 E. WASHINGTON AVE.
MADISON, WIS.

CAMPERS' LIGHT

"Sportsman" Model 304 features floodlight on 360 degree swivel head, converts to spot by swinging head. Built of chromium plated heavy gauge steel. Price including batt., $8.95.

LANTERNS

Sealed-beam "Sportsman" lanterns feature 4½" headlight, shock-absorbing mounting for bulb, 180 degree adjustable head. **Model 303** uses six-volt battery, red flashing taillight, separate switches. Price including battery, $12.40. **Model 301** is identical to 303 but without flashing taillight. Price including batt., $9.95.

SEISS MFG. CO.
3838 SEISS AVE., TOLEDO 12, OHIO

FLASHING BEACON

Revolving beacon light for use in guiding boats back to dock after dark rotates 360°, flashing alternating red and green beams, 60 flashes a minute. Light uses a 25 watt bulb powered by a 15 rpm 5-watt synchronous motor. It plugs into any 115-120 AC outlet. Company also offers 27" stern light, bow handles, chocks, step plates, guides and springs for steering cables, electric marine horn, high velocity mouthblown horn and stop-and-turn signals for boat trailers.

SPARTON CORP.
50 W. NORTH ST.
JACKSON, MICH.

BO'SUN

Sealed beam light especially designed for small boats. Encased in brass chrome plated shell mounted on stainless

steel yoke and die cast pedestal. Available in 6 or 12 volt. Price, $14.95.

SAF-GLO REFLECTOR

For boats and trailers. Moisture and dust resistant. Also available: **Demountable Directional Kit** for highway boat travel, complete with mounts and cord for use on transom or trailer frame. 6 or 12 volts.

HORN-LIGHT-MAST

Combination horn, red and green navigation lights, and flag staff; height 17½", length 9⅞", width 7¼"; 6-volt $39.85, 12-volt $39.95.

N. A. TAYLOR CO.
GLOVERSVILLE, N. Y.

SPORTSPOT

4½" sealed beam spotlight, available in 6 and 12 volts. May be mounted on wing brackets or deck mount at no extra cost, and is instantly removable as a handlight. Price including mount, $14.50.

TERADO CO.
1068 RAYMOND AVE.
ST. PAUL 14, MINN.

TERADO ROV-A-LITE

A battery operated fluorescent light for 6, 12, and 32 volt systems available in a circular overhead fixture with a 22 watt tube and a bulkhead fixture with an 8 watt tube. Operates on 110-volt dockside current.

U-C-LITE MFG. CO.
1050 W. HUBBARD ST.
CHICAGO 22, ILL.

MOUNTY HAND LAMP

Battery mounted. Features one-mile visibility, waterproof switches, adjustable head,

More fun on the water...

With Dependable Puritan Nylon Anchor and Mooring Lines

It's no fun swimming after your boat when the anchor line parts. Don't wreck your swimming party and your boat by relying on inferior "bargain" lines. Highly elastic Puritan Nylon lines absorb the jolts produced by wave action when your boat is anchored or moored. Your boat rides smoothly and safely, held by a line that is easy on the hands, resists abrasion and will not kink, rot or mildew.

Another Product for America's Pleasure by Puritan!

MARINE DIVISION
PURITAN CORDAGE MILLS • LOUISVILLE, KY.

PURITAN

sealed beam bulb. Heads fit any standard 6-volt twin-pack self-contained battery case. Available with flashing beacon at $9.95 or without beacon at $7.50. Batteries extra, $2.45.

UNITY MFG. CO.
2909 INDIANA AVE.
CHICAGO, ILL.

UNITY PORTABLE SEARCHLIGHTS

These chrome plated (brass and zinc) lights have 5½" and 6½" sizes nos. They are available in different models to operate on from 6 v to 110 v, and to draw from 30 to 200 watts. They have lens diameter of 4.5" to 5.7" and a base diameter of 5.5". Models have from 35,000 to 100,000 candlepower and a range of from 4 to 6 miles. Price, 4.5" models, $8.40 to $8.75; 5.7" models, $14.95.

UNITY SPOTLIGHTS

These chrome plated (brass) lights have 6½" size numbers. They are available in different models to operate on 6 v to 32 v, and draw from 30 to 150 watts. Each has lens diameter of 5.7". Models have from 85,000 to 100,000 candlepower, and a range of from 4 to 5 miles. They are priced from $21 to $23.10.

UNITY WARNING LIGHTS (RED)

These come in two models, each of chrome plated (brass) with 6½" size number. One uses 6 v, the other 12 v. Both draw 30 watts, have a lens diameter of 5.7", base diameter of 3", 9500 candlepower, and range of a ½ mile. Priced at $17 and $17.50.

UNITY DECK LIGHTS

These chrome plated (brass) lights have 6½" size no. They are available in different models to operate on from 6 v to 32 v, and to draw from 30 to 150 watts. Each has a lens diameter of 5.7" and a base diameter of 3". Models have from 95,000 to 100,000 candlepower, and a range of from 4 to 5 miles. Prices are from $17 to $20.

WILCOX CRITTENDEN DIV.,
NORTH & JUDD MFG. CO.
MIDDLETOWN, CONN.

COMBINATION LIGHTS

Combination light and deck hardware, available with or without flag pole. For use with 12 volt systems. Also available: Adjustable Pole Light, straight or angled, telescopes to desired height; "Navi-Guide" Light Kit, contains lights, mounting and wiring equipment (12 volts) for installing complete running lights.

HORNS & SIRENS

AUTO-MATIC PRODUCTS
2268 SO. PARKWAY
CHICAGO 16, ILL.

MARINE SIRENS

Model OA-3C *Commander* in chromium finish, voltages 6, 12, 24, 32, 110. Price $35. Model OA-1C *Admiral* in same finish and voltages, but larger and with greater sound volume. Price $65. Model OC-9C *Mariner* for deck or cabin mounting, in same finish and voltages. Price $45. All prices include switch and cable.

BLU-BURN-R PRODUCTS
MONROE, WIS.

B-B SIGNAL HORN

Freon-powered horns can be attached to any part of all types of boats, with easily replaceable power packs. Salt water corrosion resistant. Price, complete with bracket and 2 non-toxic, non-flammable power packs, $10.95. Refills from $1.19.

CLARK-COOPER CO.
PALMYRA, N. J.

AIR HORNS

Air horns, steam horns, electric driven air horns, sirens, whistles and whistle controls. Also all controls associated with air horns and signal systems.

FALCON ALARM CO.
243 BROAD ST., SUMMIT, N. J.

BOAT HORN MODEL F-18

Features loud, medium pitch blast, ideal for smaller boats. Chromed horn has new engineering throughout. Approximately 8 high, including power can; horn approximately 5" long. Price, $15.95.

BIG BERTHA MODEL BB-28

Ideal for deck mounting, yet small enough for hand use, this horn gives a bass note of great volume for its size. Price, $19.95.

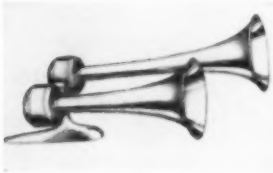
DUAL-TONE HORN MODEL DT-58

Combines Models F-18 and BB-28 horns manifolded together to give distinctive dual note. Chromed. Price, $34.95.

MODEL BB-44

Extremely loud horn of medium tone for hand or deck-mounting on larger craft. Easy to handle and stow. Price, $35.

FERRELL MFG. CO.
GROTON, N. Y.



SHIP-N-SHORE SEACRUISER

A new twin horn combination, 8" and 10½" trumpets, of all metal, chrome plated construction. The manufacturers state that the freon "Energy Pak" power supply provides over 300 normal signals audible at a distance of 3 to 4 miles.

SHIP-N-SHORE SEARUNNER

All metal horn with 5" trumpet, energy-pak and bulkhead bracket. Price, $14.95.

MANHATTAN MARINE
116 CHAMBERS ST.
NEW YORK 7, N. Y.

SONABEL AIR HORN

Imported air horn has high speed compressor with extremly high starting torque obviating necessity for air tanks, valves, etc. Tubing is connected directly to the horns for the compressor, which is available in 2 models, the REC designed to be used with either or both of the two small horns in the Sonabel line, and the BOF, employed with large, river boat tone horns. Power consumption is 12 amps at 12 volts for the REC and 18 amps for the BOF. Four models range from 16" to 26". Price for complete kit: $99.50 up. Company also imports Commodore clock and Ensign barometer.

RADIO CORP. OF AMERICA
30 ROCKEFELLER PLAZA
NEW YORK 20, N. Y.

PORTAHORN

Transistorized instrument can be used as foghorn, megaphone, public address system, entertainment and signaling unit. Loudspeaker-equipped device can also be used with radio equipment, tape recorders and record players. It provides voice communications over a distance of more than a mile, with a "talk-listen" switch to amplify distant sounds. Unit weighs 13½ lbs., is powered by two RCA VSO 6-volt battery units and has 15-watt horn type speaker which can be rotated 360° horizontally and 90° vertically. A hydrophone, not included as standard accessory, makes unit into an audio fishfinder.

THE SEISS MFG. CO.
3838 SEISS AVE., TOLEDO 12, OHIO

ELECTRIC HORNS

Sealed against water seepage. Available in 6 or 12 volts. Brass-chrome plated. Price, $18.95. Literature on request.

SPARTON CORP.
JACKSON, MICH.

SILVER ECHO GROUP HORNS

Can be used together, doubly, or singly, each with its own pitch. Salt water corrosion resistant. Available in 6, 12, or 32 volts. Also available: **Tornado Twins** available in same voltages.

NAVIGATOR

Combination horn, light, and flag mast. Running light has red and green lenses; mast is removable; horn has stainless steel diaphragm. 17½"x9⅞"x 7¼", weight 7 lbs. 6 or 12 volts. "Midshipman" combination light and horn does not have flag mast.

ENSIGN

Horn designed especially for boats under 26'. Housing, bracket, and diaphragm are of stainless steel. Motor is completely enclosed. 6 and 12 volts. Price, $13.95.

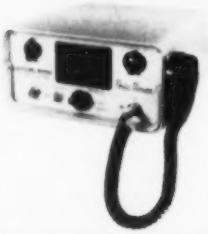
WALLACE & TIERNAN, INC.
25 MAIN ST., BELLEVILLE 9, N. J.

FA-232 FOG HORN

Battery operated fiberglass horn is corrosion resistant, weighs 120 lbs. Runs for a year on a 12 volt 2000 amp.-hr. battery. Activating units are watertight enclosed. Self-regulation keeps frequency constant under variable atmospheric conditions. (Frequency is preset at 400 cps.) Timer preset for 2 sec. sound, 18 seconds silent, and repeat. Range over ½ nautical mile. Other timer presettings available.

RADIO TELEPHONES

AEROSONIC MARINE
HERCULES & RANGE RD.
CLEARWATER, FLA.



PORTA MARINE IV

Radiotelephone has all-transistor receiver, has broadcast and marine bands. 22-watt transmitter. Unit is lightweight and self-contained, with batteries, press-to-talk microphone and antenna.

ANDREA RADIO CORP.
2701 BRIDGE PLAZA N
LONG ISLAND CITY 1, N. Y.

SPACEMASTER PORTABLE RADIO

Nine band receiver, including a 2000-750 meter navigation band for beacon signals, as well as RDF, ship-to-ship, and ship-to-shore, plus other bands for weather reports, including standard broadcast and continuous short-wave coverage from 150 to 13.8 meters. One of four antennas available is a rotating loop over a compass card that acts as a built-in direction finder for navigation purposes. Available in suntan brown, charcoal gray and antique white colors. Price, $169.95. Batteries $10.00 extra.

AQUADYNAMICS CO.
6930 FARMDALE AVE.
N. HOLLYWOOD, CALIF.

RADIO GROUND PLATE

"Dynaplate" achieves maximum grounding efficiency for marine radiotelephones. In various sizes: *Standard Transom* type, 2"x6"x½", equivalent to 12 sq. ft. of copper sheet, $19.75; *Standard Thru-Hull* type, same size, $14.75; *Little Giant*, 3"x12"x½", gives area-to-water factors of over 40 sq. ft., bolts to hull, $49.50; *Super*, 6"x18"x½", exposes over 125 sq. ft. to water, bolts to hull, $139.

PACIFIC DIV., BENDIX AVIATION CORP.
8211 LANKERSHIM BLVD.
N. HOLLYWOOD, CALIF.

SKIPPER 28

Stationary radiotelephone has 6 channels and frequency range of 1600 to 5000 kilocycles. Remote control is available for the unit, which is 8"x16"x10½". Features include transmitter standby switch, modulation limiter, automatic band spread control and all-aluminum construction. The Skipper 28 has a final amplifier input of 33 watts, weighs 34 lbs. and operates on 6 and 12 volts DC. Price, Skipper 28, $365. Also available are remote control

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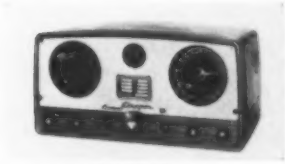
unit, $105, and power megaphone, $42.

SKIPPER 202 RADIOTELEPHONE

20 watt radiotelephone is transistorized and features 5 crystal controlled channels and broadcast band. Complete with antenna, crystals, microphone and connecting cables.



SKIPPER 90 RADIOTELEPHONE

Radiotelephone is rated at 50 watt output, features 8 crystal controlled channels and broadcast band, special noise-limiter and squelch controls. A complete control unit is optional. The remainder of the Bendix line contains a complete range of Radio Aids to Navigation, including Radar, Automatic Pilots, and Direction Finders. Write for additional information.

SKIPPER 70 & 120

Stationary radio telephone has 8 channels and frequency range of 1600 to 5000 kilocycles. Features include transmitter standby switch, modulation limiter, automatic bandwidth control, all-aluminum construction and squelch control. Remote control is available for radio, which is 9"x18" x11¾". Skipper 70 has final amplifier input of 70 watts and weighs 43 lbs. Skipper 120 has final amplifier input of 120 watts and weighs 44 lbs. Both models operate on 12, 32 and 110 volts DC, and 110 volts AC. Prices, Skipper 70, $650; Skipper 120, $740. Also available are remote control unit, $105, and power megaphone, $42.

CENTRAL ELECTRONICS CORP.
6013 ACKLEY RD.
CLEVELAND 29, OHIO

MARINE MONITOR

Portable marine monitoring unit for outboards or small cruisers. 2000-3000 kc; ship to ship, Coast Guard, weather, ship to shore. Uses printed circuit, 2 stage IF amplification, built-in ferrite antenna. Uses two batteries of over 150 hr. life. Price (incl. batt.), $39.95.

J. W. DAVIS & CO.
BOX 35313, DALLAS, TEX.

WATTERSON MODEL 603

Full size, all-transistor radio covers the 2 to 3 MC. marine band and standard broadcast band. Model uses 6 transistors powered by 8 standard-size

flashlight batteries. It is available in solid walnut cabinet or leatherette-covered portable style. Price, $79.95 with batteries.

GRAY RADIO CO.
501 FOREST HILL BLVD.
W. PALM BEACH, FLA.

GRAY-60-A

Frequency range 1950-4500 kc, 7 channels. Operates on 6 and 12 volts DC. Final amplifier input 70 watts. Dimensions: 17¾"x11¾"x7¾", weight 29 lbs. Can be bulkhead mounted; remote control unit available at $50 extra. Features 12-month warranty, broadcast band, new coupling and loading arrangement for maximum efficiency. Unit is self-contained. Price, $585.

HEATH CO.
BENTON HARBOR 3, MICH.

TRANSISTOR PORTABLE RADIO KIT

Six-transistor portable radio kit has 4"x6" pm speaker with heavy magnet. Transformers are prealigned, and kit has built-in rod-type antenna and standard size "D" flashlight cells. Company also offers same radio in leather case. Prices, $29.95 and $34.95.

RAY JEFFERSON, INC.
40 E. MERRICK RD.
FREEPORT, L. I., N. Y.

MODEL 635

Features 35 watts transmitter-power; 1600-3500 kc transmitter; five channels; speech filter, 6, 12, 24, or 32 volts from boat's batteries. Antenna, remote control unit, and paging loudspeaker available.

MODEL 7130

Features 130 watts input; 10 channels; 1600-3500 kc range; speech filter, 12, 24, 32 and 115 volts DC, 115 volts AC. Remote control optional. Meets all FCC regs.

CL22 MARINE ANTENNA

Marine band, 2000-2830 kc. Salt spray resistant. Overall length 23'. Aluminum wire used. Brass or bronze chrome plated hardware.

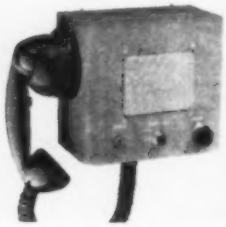
KAAR ENGINEERING CORP.
2995 MIDDLEFIELD RD.
PALO ALTO, CALIF.

KAAR R909 NEPTUNER

Unit is for use with Kaar 242A or 222A, or any standard marine radiotelephone to give broadcast band reception to set. Dimensions are 10½"x2⅜" x6", and unit includes long cable extension to tie it in with radiotelephone yet keep it an independent unit for installation.

KAAR 37B

15"x9"x10½" radio supplies 44 watts input power from 5 or 12 volt DC power supplies. It has 5 crystal-controlled channels and a tunable broadcast band. Features include bulkhead or shelf mounting.



REMOTE UNIT C904

Remote unit can be used with all Kaar marine radiotelephones and has volume control and switch to activate either radiotelephone, the remote, or both. Dimensions are 8¼"x5" x8".

KAAR 248

55 watt, 5 channel radio has squelch control and separate power supply for operation off 6, 12, or 32 volts DC, or 117 volts AC. It generates 28 watts RF output, and includes broadcast band reception. Set can be table-top or bulkhead mounted.

KAAR 249

5½"x10"x4" slim-line 200 watt, 5 channel radiotelephone has broadcast band reception and

has aluminum, splashproof cabinet for mounting on outboard cruiser or runabout. Mounting plate and plug-in connections for antenna, ground and power cables permit easy installation and quick removal, with top panel control for under-the-dash or vertical installation against bulkhead or behind cockpit.

MARINE ELECTRONICS ASSOCIATES
AVENUE U AT FLATBUSH AVE.
BROOKLYN 34, N. Y.

RADIO CONVERTER

A self-powered transistor converter permits car or home radio to bring in boats, Coast Guard and marine operators. Unit is connected between radio and antenna, and powered by three pen light batteries. Price: $17.50. Also available are models for police, fire, aircraft, civil defense, industrial and other frequencies.

PEARCE-SIMPSON, INC.
2295 N.W. 14 ST.
MIAMI 35, FLA.

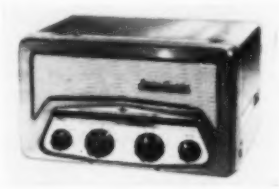
ISLANDER 45

FCC "Type Accepted". Fiberglass cabinet, transmission range over 50 miles, 30 watts input, five channels and broadcast band, simplified controls, bulkhead or table mounting, 15 watts output, 2000-4500 kc range, 24 lb. weight, 9"x15½"x 11¼". Channel selection remote control optional. Low power drain, fungus and moisture proof. Six or twelve volts. Complete price, $375.

OUTBOARDER

Designed specifically for outboards and small inboards.

FCC accepted; simplified installation because of factory pretuning. Complete installation instructions included as well as necessary installation materials, crystals, antenna, and log book. 20 watts input, five channels plus broadcast band, crystal controlled. 12"x 12"x7½". Rust and corrosion resistant.

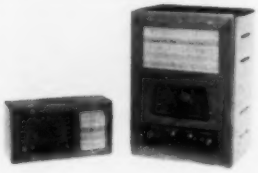


ATLANTIC 70-B

Versatile model for luxury or commercial installations. Fiberglass cabinet, separate power supply, FCC accepted, range over 100 miles, simplified controls. 70 watts input, 35 watts output. Five crystal controlled channels, 2000-4500 kc. 9"x 15½"x11¼". Channel-changing remote optional. 12 or 32 volts, price $595.

CARIB 130-A

Suitable for yacht installation or commercial fishing. "Type Accepted" by FCC. Especially suited where 25 watt minimum output power is mandatory; 130 watts input; eight crystal-controlled channels; separate power supply; bulkhead mounting. 15"x11"x10", 53 lb. weight. 65 watts output. 2000-6000 kc. Channel-changing remote optional. Prices: 12, 32 volts, $795; 110 vdc, $820; 110 AC, $850.



M-7A

FCC accepted. 150 watts input, 85 watts output. 10 crystal controlled channels; transmitter and receiver. Separate power supply. 2000-6000 kc. 20"x14"x11½". Weight 110 lbs. Remote control channel selection optional. All voltages, price $1500. Remote control $200. Crystals, antenna, installation extra.

RAYTHEON MARINE PRODS.
RAYTHEON MFG. CO.
WALTHAM, MASS.

RAY-23

Ray-23 radiotelephone is a five-channel, 42-watt communicator for use with 6 or 12 volt power supplies. Other radiophones in line offer same styling in five models from 30 to 90 watts. Price, $369.50.

SONAR RADIO CORP.
3050 W. 21 ST., BROOKLYN 24, N. Y.

MODEL 90 RADIO TELEPHONE

Low power tune up prevents damage to equipment and operator. Non-magnetic chassis. Salt-spray resistant. FCC type accepted. 6 marine channels plus broadcast band, receiver and transmitter in one unit with separate supply, 12 or 32 volts, weight 20 lbs. (less power supply), 14¾"x7⅝"x12". Complete with tubes and microphone. 94 watts. Price, $495. Also available, Model 160, with two separate dynamotors and 150 watts, $595.

MODEL 65 RADIO TELEPHONE

Ship-to-ship and ship-to-shore communicating system for all boats. Self contained unit has receiver, transmitter, and power supply. 6 marine frequencies and broadcast band. Built-in meters. Salt-spray resistant. FCC type accepted. 2000-3000 kc, 6 or 12 volts, 65 watt input. 14¾"x 7⅝"x12", weight 24 lbs. Price, $395.

ZENITH RADIO CORP.

TRANS-OCEANIC

All-transistor standard and short wave portable. Operates on 9 standard flashlight batteries, no need for AC/DC power outlet. 7 tuned circuits, 3 gang tuning condenser, tuned rf stage for maximum sensitivity. Features calibration logging scale, time chart,

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***Penn* REEL**

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your "silent fishing partner"

Penn REELS

PENN FISHING TACKLE MFG. CO.
PHILA. 32, PA.

detachable wave magnet antenna, rotary band selector, telescopic short wave antenna concealed in carrying handle, jack for earphones and record player. Tropicalized, weighs 13 lb. with batteries. Prices, including batt.: 8 wave bands (marine, weather, shortwave, standard), $250; 9 wave bands (plus CAA network of low-freq weather navigation stations), $275.

NAVIGATOR

Two-band all transistor portable receiver and self-powered emergency navigation instrument. Receives long distance standard stations plus U.S., Canada, etc., weather-navigation stations. Tuned rf stage and 3-gang condenser for selectivity. Two ferrite antennas, cross-bearing (homing) switch, azimuth scale; earphones (optional). Operates for 350 hours on six standard flashlight batteries. Price less batt., $99.95.

RADAR

PACIFIC DIV., BENDIX AVIATION CORP.
8211 LANKERSHIM BLVD.
N. HOLLYWOOD, CALIF.

MR-3B MARINE RADAR

41"x16⅞"x9⅝", weight, 115 lbs., and scope diameter, 10". Set operates on 24, 32, 110 and 220 volts DC, and 110 volts AC. Has minimum detection range of 40 yards, and maximum range of 20 miles, with range accuracy of 40 yards and bearing accuracy of 1.8°. Has 4 scale ranges, 1, 4, 10 and 20 miles. Special features include automatic frequency control, two-unit construction and vertical or horizontal indicator mounting. Price, $3,695.

EDO CORP.
13-10 111th ST.
COLLEGE POINT
NEW YORK 54, N. Y.

MODEL 320 RADAR

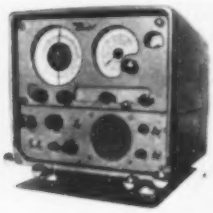
10"x13"x16", with 7" diameter of scope. Model operates on 32, 110 and 220 DC voltages, and 115 AC voltages, 60 cycles. Detection range is from 25 yards to 20 miles, with accuracy of 2 per cent of range, and 2° of bearing. Range scales are 1, 2, 5, 10 and 20 miles. Features slotted waveguide antenna, light weight and low power drain. Price, $3,500.

MODEL 262 LORAN

14⅝"x15 1/16"x17 1/16", weight, 90 lbs. Operates on 12, 32, 110 and 220 DC voltage, and 115 volts AC, 60 cycles. Scope has 3" diameter. This model has direct reading, which can be obtained in less than 1 minute, and has 28 tubes. Price, $2,180 F.O.B. College Point.

RDF

PACIFIC DIV., BENDIX AVIATION CORP.
8211 LANKERSHIM BLVD.
N. HOLLYWOOD, CALIF.



ADF-100

The only visual Automatic Direction Finder on the market. Gives instantaneous bearing on land stations, beacon and broadcast, as well as on other boats. Non-rotating loop, low power consumption. 3 bands: 200 to 600 kc beacon, 600 to 1700 kc broadcast, 1700 to 4000 kc marine.

600-DX, 600-DXS AND L

Finder operates from boat's electric system, on 6, 12, 32 and 110 volts DC, and on 110 volts AC. Has broadcast and radiotelephone receivers, and a frequency range of 1600 to 5600 kc. Dimensions are 10"x13"x 13", weight, 42 lbs. Features include separate sensitivity and volume controls, sense bearing, illuminated meter, automatic noise limiter, azimuth scale and either inside or outside loops. Prices, $425, inside loop; $560, short outside loop, and $575, long outside loop.

NAVIGATOR 400

Finder operates from boat's electric system on 6 and 12 volts DC, and incorporates broadcast and radiotelephone receivers. Dimensions are 9½" x13"x9¾", weight, 12¾ lbs. It features 3 frequency bands, Beacon, 150 to 400 kc; broadcast, 500 to 1500 kc, and marine, 1.6 to 5 kc. Also includes push-button tuning, low profile loop, built-in null meter, 7-tube receiver, all-aluminum construction and sense bearing switch. Price, $269.

HEATH CO.
BENTON HARBOR, MICH.

TRANSISTOR PORTABLE RDF KIT

The DF-2 is a self-contained, self-powered, six transistor superheterodyne two-band radio direction finder. Receives aeronautical and marine beacons as well as standard band broadcasts. Covers beacon band, 200-400 kc, and broadcast band, 540-1620 kc. Designed to take directional "fixes" on both aircraft and marine beacons as well as standard broadcast stations. Controls: Sensitivity knob controls gain; bearing knob rotates the ferrite-loop antenna; volume; vernier tuning; bandswitch; on-off switch; dial light for night operation. Power is supplied by six standard flashlight batteries which last one year under normal conditions. Moisture and fungus-proofing lacquer supplied with kit. 9½"x 8"x5", weight 9 lb.

KAAR ENGINEERING CORP.
2995 MIDDLEFIELD RD.
PALO ALTO, CALIF.

DIRECTION FINDERS

The direction finders include the Integral Loop, the Loop Extension Kit and the Remote Loop DF. All are supersensitive, provide easy reading controls and have vertical compass rose for quick determination of bearings. Integral Loop R238 DF is for small craft, and Loop Extension Kit 8230 features 14" support column extension permits receiver to be mounted against overhead, with loop itself out on deck, free from interference.

REMOTE LOOP R239 DF

Remote loop is for ships with high installation interference, such as steel-hulled vessels. Loop is on a 31" support column that passes through overhead and out on deck. At the base, at eye level inside deckhouse, is vertical compass rose for finger-tip convenience and operation. Receiver unit itself can be stowed well away from cabin traffic.

RAYTHEON MARINE PRODS.
RAYTHEON MFG. CO.
WALTHAM, MASS.

TRANSISTORIZED RADIO DIRECTION FINDER

"Ranger" Model 354 radio direction finder is a self-contained, battery-operated unit especially designed for use aboard smaller pleasure boats. Transistors in the portable unit prolong battery life. Price: $299.50.

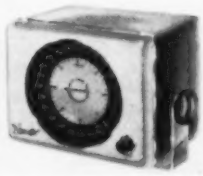
ROBINSON & CO.
BOX 213, GARDENA, CALIF.

MODEL 303-NML RADIO COMPASS WITH DIRECTION INDICATOR

Portable direction finder; with magnetic compass which supplies steering bearing. Sensitive shortwave set. Power supply: 90 v. Burgess N60 or equal; 1½ v. Burgess 2FBP or equal; ship DC supply; voltage as ordered, (optional extra). Dimensions: width 6", depth 8", height 5". Loop handle projects 2" above case. Price, including compass, $169.50. Model 303-M, $149.50.

DEPTHFINDERS

PACIFIC DIV., BENDIX AVIATION CORP.
8211 LANKERSHIM BLVD.
N. HOLLYWOOD, CALIF.



DI-5 DEPTH INDICATOR
Indicator uses transistors and has large dial graduated to 240 ft. or 40 fathoms, with Brite-Lite flash for easy viewing. Can be mounted against a bulkhead, on a shelf or overhead, with swing-mount to adjust instrument to any desired angle. Features plug-in connectors for the transducer and battery leads. A choice of transducers, with integral thru-hull stuffing tube or with separate stuffing tube, is provided.

DR-18 & DR-19 RECORDERS
Two depth recorders feature new scanning and recording design that operates on a circular sweep. Both have wide paper and new cabinet design. DR-18 recorder has 3 scales of 20 fathoms each; 0-20, 20-40

and 40-60. DR-19 model has 5 scales of 60 feet each; 0-60, 60-120, 120-180, 180-240 and 240-300.

DI-5 TRANSISTOR DEPTH RECORDER
8" wide, 7" high, 6" deep. Has mounting bracket to permit tilting to any angle. Features recessed dial and bright daylight flashing light. Indicates depths 0 to 240 feet. Price, $195.

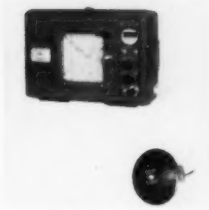
DR-7A/9 DEPTH RECORDER
$20\frac{1}{8}$"x$14\frac{5}{16}$"x$8\frac{13}{32}$", weight, 40 lbs. Depth recorder operates on 12, 24, 32 and 110 volts DC, and 110 volts AC. DR-7A indicates depths from 0 to 100 fathoms, and DR-9 indicates depths from 0 to 200 feet. Both models are accurate to 2%. Features include compact size and weight and extended range. Price, $995.

DR-12 DEPTH RECORDER
$20\frac{1}{8}$"x$4\frac{5}{16}$"x$8\frac{13}{32}$", weight, 40 lbs. This model operates on 12, 24, 32 and 115 volts DC, and 110 volts AC. Indicates depths from 0 to 50 fathoms, and 0 to 200 fathoms, with accuracy to 2%. Price, $1,245. Dual beam transducer is available also.

EDO CORP.
13-10 111th ST.
COLLEGE POINT
NEW YORK 56, N. Y.

EDO FISHCOPE
$15\frac{1}{16}$"x$15\frac{3}{8}$"x$18\frac{13}{16}$", weight 75 lbs. Operates on 12, 32 and 110 DC voltage, and 115 AC voltage, 60 cycles. Model indicates depths from 0 to 400 fathoms, and is accurate to 2 per cent. It features expanded 10 fathom scale continuously variable to 400 fathoms. Price, $1,200.

MODEL 255 SURVEY DEPTH RECORDER
Unit operates on 12, 32, 110 DC voltage and 115 AC voltage, 60 cycles. Indicates depths from 2 feet to 250 fathoms, with accuracy to ½ of 1 per cent. Equipped with recording device, this model has 4 overlapping expanded scales



in either feet or fathoms. Price, $2,740.

MODEL 185
$28\frac{1}{4}$"x$22\frac{3}{4}$"x14", weight, 220 lbs. Model operates on 115 AC voltage, and indicates depths from 0 to 6000 fathoms or feet with accuracy to ½ of 1 per cent. Has recording device. This unit is standard equipment in U. S. Navy, Coast Guard and Coast & Geodetic Survey. Price, $6,500.

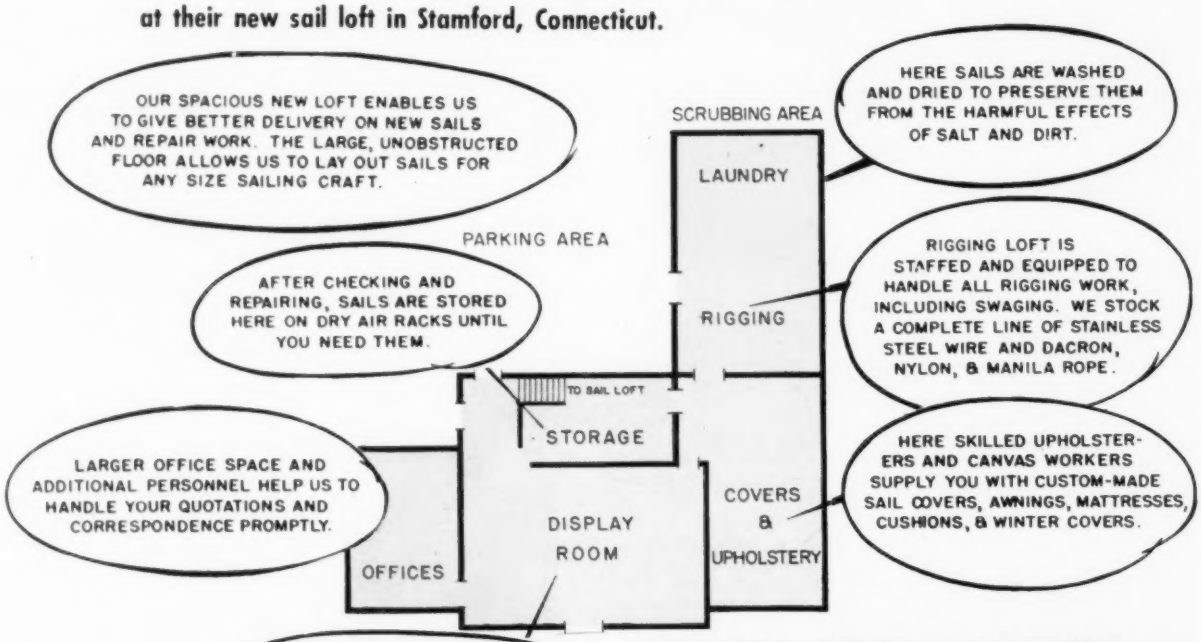
LOWRANCE SALES CO.
112½ E. 13th ST., JOPLIN, MO.

PORTABLE FISH LO-K-TOR
Transistorized fish "Lo-K-Tor" can detect single fish or a whole school and shows type of bottom to 80 ft. 7½ volt lan-

Now! The most complete facilities for your sailing requirements ever offered by

HATHAWAY, REISER & RAYMOND . . . .

at their new sail loft in Stamford, Connecticut.



184 SELLECK STREET

HATHAWAY, REISER, & RAYMOND, Inc.

Sailmakers and Riggers

Stamford, Conn. DAvis 4-9581

tern type batteries are used in 10 lb. instrument, which can also be used as navigation aid in foggy weather or unfamiliar waters. Price: $148.50 complete with batteries and boat bracket.

RAYTHEON MARINE PRODS.
RAYTHEON MFG. CO.
WALTHAM, MASS.

HOLIDAY DEPTH SOUNDER
Model DE-122 "Holiday" depth sounder indicates soundings to 120 ft. Price: $159.50.

DEEP WATER INDICATING FATHOMETER
Model DE-706 deep water indicating fathometer, for larger pleasure craft and commercial vessels, reports soundings to 360 ft. Printed circuit Fathometer is also available in a 120 fathom version.

RECORDING FATHOMETER
"Explorer" Model DE-705 depth sounder keeps graphic record of soundings from 0 to 120 ft. Price: $255.

ROSS LABORATORIES, INC.
124 LAKESIDE AVE.
SEATTLE 22, WASH.

PORTABLE SPORTSMAN P-80
Completely transistorized, with self contained batteries. Complete unit 7"x5"x9", weight 13½ lb. Fiberglass case with storage space for transducer, carrying handle. Two types of transducers available: portable flashlight type for rigging to side of boat; thru-hull type for permanent installation optional. Calibrated in 1 ft. increments, basic range 80 ft. Price, less batt., $148.50.

SPORTSMAN DEPTHFINDER S-80
Completely transistorized. Indicator housing is weatherproofed, chrome plated, and measures 4⅛" high x 3⅜" dia. Indicator is calibrated in 1 ft. increments, basic range is 80 ft., and keying system is magnetic. Unit consumes less than 1/10 of 1 amp current and weighs 15 lb. 7½ volt portable lantern battery provides 300-500 hours of operation. Price, less batt., $148.50.

FISHERMAN DEPTHFINDER
Operates on 6, 12, and 32 volts DC. Dimensions of indicator: 9"x9"x6½"; eltectronic chassis: 6¼"x11¾x6¾". Indicates depths to 100 fathoms and over on repeating type scale. Accurate to 4% full scale. Recorder and flasher repeaters can be added easily. Price, $285.

SPORTSMAN TRANSISTOR T-80
A new transistorized depth finder with power drain of only 1/10th amp, weighs only 2½ lbs., and measures 7"x5"x5". Consists of an indicator-electronic unit and transducer. Powered by a 7½ volt portable lantern-type battery reported to last a full season. Transducer can be permanently keel mounted or attached to the transom or side of boat. The indicator is calibrated in 1-foot increments, the keying system is magnetic and the basic range is over 80'. Case is constructed of non-corrosive fiberglass. Price, $128.50 less battery, FOB Seattle.

SPORTSMAN DEPTHFINDER
Operates on 6, 12, and 32 volts DC. Dimensions: 6½"x9"x9". Weighs 13 lbs. Indicates depths from 2½ to 240 feet and over on circular scale. Accurate to 4% full scale. Single unit construction. Indicates depth changes of 2 feet. Price, $185.

SONAR RADIO CORP.
3050 W. 21st ST.
BROOKLYN 24, N. Y.

MODEL D600 DEPTH INDICATOR
Records depths up to 600 ft. using Sonar principle. One-piece, nonmagnetic construction; own power supply. Reads both feet and fathoms. 6 or 12 volts. 11⅜"x7½"x7½", weight 9 lbs. Price complete with transducer, $249.50.

MODEL D-120B DEPTH INDICATOR
9½"x7"x6", weight 9 lbs. 6 or 12 volts. Reads depths, using Sonar principle, from 1 to 125 ft. on first revolution and 125-250 ft. on second revolution. Has 360° 4-inch scale in 1-foot calibrations. One-piece nonmagnetic construction includes power supply, electronic circuitry, and indicator. Price, including transducer, $139.50 Also available: portable depth indicator model D-120P similar to above with self-contained 6-volt rechargeable battery. Price, $198.50.

AUTOMATIC PILOTS

PACIFIC DIV., BENDIX AVIATION CORP.
8211 LANKERSHIM BLVD.
N. HOLLYWOOD, CALIF.

MODEL 135
Photo electric automatic pilot is also a "non-hunting" type which operates only when corrective rudder is required. Operates on 12, 24, 32 and 110 volts DC. Features weather sensitivity control and manually operated clutch. Prices, $445 (12, 24 and 32 volts) and $545 (110 volts).

MODEL 145A
Photo electric automatic pilot of "non-hunting" type especially suited for pleasure craft and small commercial vessels. Features an electrically-operated clutch that can be engaged and disengaged by switch, and has weather sensitivity control. Operates on 12, 24, 32 and 110 volts DC. Prices: $545 (12, 24 and 32 volts) and $645 (110 volts).

MODEL 155
Photo electric automatic pilot is a "non-hunting" type which operates only when corrective rudder is required. Has weather sensitivity control and manually-operated clutch. It has heavy duty motor and relays, and is capable of steering vessels from 75 to 150 feet. Operates on 32 and 110 volts DC. Price, $865.

LA MARCHE MFG. CO.
49 WOODRUFF AVE.
WAKEFIELD, R. I.

MASTER PILOT
Non-hunting automatic pilot features no operating contacts, relays or tubes, has proportional steering in which the rudder angle varies in direct proportion with number of degrees boat is off course, and has a gyroscopic heading selector. Pilots are offered for use on 12, 24, 32 and 115 volts DC and 115 volts AC.

SILVA, INC.
702 RIDGEWAY ST.
LA PORTE, IND.

NO. 33 SILVA MARINE
Recommended for cruiser and sail pleasure boats. Dimensions: outside diameter 3½", height, 3½". Diameter of card face, 2⅛". Mounted on gimbals. Can be mounted on bulkhead. Special design gives fast reading from relatively small size. Outer 3½" dial is set at desired course. Pilot steers so needle is parallel with lines inside the 2⅛" face. This lends a more rapid and accurate method of reading than trying to hold needle to the desired degree. Liquid filled hermetically sealed housing. 2° markings on dial can be set within 1°. Inner card also graduated for direct readings when desired with 5° counter clockwise markings. Price, $30.

COMPASSES

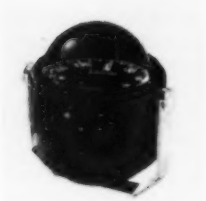
AIRGUIDE INSTRUMENT CO.
2210 WABANSIA AVE.
CHICAGO 47, ILL.

RANGER DELUXE MARINE COMPASS
Instrument has an internal gimbal system built into the capsule to keep lubber line in proper position for best reading. Features include concave dial, built-in rheostat to adjust brightness, internal compensation system using Cunife I magnets and jeweled pivot. Dome is 4" in diameter. Price: $37.50.

MFR., Airguide Instrument Co., 2210 Wabansia Ave., Chicago 47, Ill.

MODEL 77 COMPASS
Direct reading dial with five degree scale. Alnico V magnet, jeweled pivot. Removable from mounting bracket for storage. 3⅜"x3½"x3". Price, $8.95.

COURSE MONITOR
Instrument tells at a glance if boat is being held on predetermined course. When boat has been headed on desired course by regular compass, Monitor index is adjusted to nearest of six targets on its dial. Suitable for power and sailboats. Price: $20.



No. 88 MARINE COMPASS

Outside diameter, 3½" outside height, 4¾", card face diameter, 2¾". This model is suitable for mounting on bulkhead or dashboard of sailboats, runabouts or small cruisers. Compass has wide angle of operation, eliminating need for gimbal, and is underlit red for night use. Special features include Alnico V magnet, built-in compensators for positive adjustment and jeweled movement. Price, $15.

No. 89 FISHERMAN COMPASS

Outside diameter, 2¼", outside height, 2⅜", card diameter, 2". Suitable for standby use in any craft, this is a simple but effective portable compass, giving accurate general directions when used away from magnetic objects. Price, $2.95.

DINSMORE INSTRUMENT CO.
1840 KELSO ST., FLINT, MICH.

SMALL CRAFT COMPASS

Model G-75A, a compact, gimbaled, liquid damped steering compass with built-in compensator. Price, $7.50. A companion compass, the Dinsmore 301, is designed for small, fast runabouts where vibration is excessive.

SWIFT & ANDERSON, INC.
952 DORCHESTER AVE.
BOSTON 25, MASS.

NO. 766 HOLIDAY MARK II

7 x 35 binocular features light-boosting barium crown prisms and has extra-wide field of view. All air-to-glass surfaces are "Ruby-coted," and center wheel and diopter rings are diamond-finished. Body is magnesium. Price, with cowhide case and straps, and gift boxed, $125 plus tax.

WEEMS & PLATH, INC.
229 PRINCE GEORGE ST.
ANNAPOLIS, MD.

PLATH T-50 YACHT COMPASS

Recommended for large yachts. Dimensions: outside diam. 9", height 8", diam. of card face 6", mounted on internal gimbals. Can be mounted on dashboard, deck binnacle. Spherical domed, self gimballed. This compass was designed especially for sailing yachts and can be read even when inclined up to 90°. Lubber line is gimballed with the card. Is normally mounted flush in the cockpit but can be supplied in binnacle if desired. A heavy duty lifetime compass manufactured of brass with a non-warping mica card. Price, $129.50.

PLATH T-51 YACHTSMAN

Recommended for all yachts—sail and power. Dimensions: outside diam. 5", outside height 5½". This model may be mounted on dashboard, deck binnacle. Diam. of card face 3.2", internally gimballed. Spherical dome all brass bowl, mounting pedestal equipped with built in correcting magnets. Hood with light for night use. Internally gimballed, lubber line gimballed with card. Floatless ring magnet. Imported from West Germany. Price, $49.50.

BAROMETERS

FREDERICK GOERTZ, LTD.
VANCOUVER, B. C.
DISTRIBUTOR FOR WESTERN CANADA

KELVIN HUGHES ANEROID BAROMETERS

These models have from 6" to 8" dials, and come in brass or chrome cases.

KELVIN HUGHES MARINE MERCURIAL BAROMETERS

To B.o.T. specifications, these models have Vernier reading in inches (or millimetres) and millibars, with thermometer. Weight, 5 lbs.

SCOPE INSTRUMENT CORP.
SCOPE BLDG.
MAMARONECK, N. Y.

SCOPE 4321 BAROMETER

A compensated, all brass, heavy

When your marine dealer sells you a Dexter Ready-Rig boat trailer he knows you've got a good buy. And he's also sure that it's a sale that will stay sold. The reasons are simple: Dexter trailers are built stronger . . . they are economically priced . . . they have the easy-handling characteristics you want . . . and they are backed by the pioneer manufacturer of running gear — LIGGETT.

BETTER CONTROL
Dextraulic automatic braking system or electric brakes available

SOFTER RIDING
100 years experience in running gear manufacture is your guarantee

EASE-O-MATIC CONSTRUCTION
Provides low angle launching, makes boat handling pure pleasure

CUSTOM CRADLING
Fully adjustable rollers and bumpers adapt perfectly to YOUR boat

Ask Your Ready-Rig Dealer For A "SELL YOURSELF" Demonstration

LIGGETT SUPPLY AND EQUIPMENT COMPANY

2042 South Main St.
Elkhart, Indiana

DEXTER Ready-Rig BOAT TRAILERS

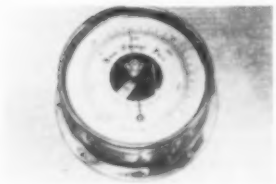
duty yacht barometer for boating use. Screws to wall or bulkhead. It has a brushed silver face and beveled glass. Diameter 5", depth 3¾". This is one of a number of Scope barometers designed for boat and home use. Price, $7.95.

SWIFT & ANDERSON, INC.
952 DORCHESTER AVE.
BOSTON 25, MASS.

NO. 419 FISHING BAROMETER

Barometer is specially marked to show if weather is favorable to fishing. Precision-made instrument is English geared and compensated, enclosed in a shatter-proof case. Price: $7.50.

TRANSMAK, INC.
161 E. ERIE ST.
CHICAGO, ILL.



"NAUTICO" BAROMETER

Barometer of stainless steel, brass and bronze construction fitted into a chrome-plated brass case. Mfr'd. in Japan. Features 5" silvered metal dial marked in millibars and inches. Price, $19.95.

BINOCULARS

FREDERICK GOERTZ, LTD.
VANCOUVER, B. C.

MODEL STEPTRON

Magnification, 8x. Object Glass, 30 mm. Field of view at 1,000 yds., 144 yds. Exit pupil dia., 3.75 mm. Weight, approx. 20 oz.

MODEL STEPLUX

Magnification, 7x. Oject Glass 50 mm. Field of view at 1000 yds., 122 yds. Exit pupil dia., 7.1 mm. Weight, approx. 36 oz.

MODEL STEPMUR

Magnification, 10x. Object Glass, 50 mm. Field of view at 1000 yds., 115 yds. Exit pupil dia., 5 mm. Weight, approx. 38 oz.

MODEL STEPSUN

Magnification, 12x. Object Glass 50 mm. Field of view at 1000 yds., 96 yds. Exit pupil dia., 4.2 mm. Weight, approx. 36 oz.

MODEL TROPICALS

Magnification, 10x and 7x. Object Glass, 50 mm. and 40 mm. Field of view at 1000 yds., 115 yds. and 164 yds. Exit pupil dia., 5 mm. and 5.7 mm. Weight, approx. 40 oz. and 32 oz.

NIKON, INC.
251 FOURTH AVE.
NEW YORK 10, N. Y.

NIKON 6x18 MIKRON

Roof-prism binoculars of compact design, they have central focusing. Magnification, 6x. Objective diameter, 18 mm. Angular field, 7 degrees 40'. Linear field at 1000 yds., 405 ft. Exit pupil, 3 mm. Relative brightness, 9. Dimensions: 2⅝" x4", weight, 6.2 oz.

NIKON 7x35 MIKRON

This model provides high light transmission, has central focusing. Magnification, 7x. Objective size, 35 mm. Angular field, 7° 16'. Linear field at 1000 yds., 381 ft. Exit pupil, 5 mm. Relative brightness, 25. Dimensions: 5¼"x7⅛", weight, 16.8 oz.

NIKON 7x50 MIKRON FEATHERWEIGHT

Combines light weight and highest light transmission, has central focusing. Magnification, 7x. Objective size, 50 mm. Angular field, 7° 16'. Linear field at 1000 yds., 381 ft. Exit pupil, 7.1 mm. Relative brightness, 50.4. Dimensions: 7¼"x 7⅞", weight, 34.6 oz. Waterproof center focus model also available.

NIKON 8x35 MIKRON FEATHERWEIGHT

Offers greater light transmission and higher power in a compact, light weight unit; has central focusing. Magnification, 8x. Objective size, 35 mm. Angular field, 7°. Linear field at 1000 yds., 367 ft. Exit pupil, 4.4 mm. Relative brightness, 19.4. Dimensions: 5¼"x 7⅛", weight, 18.2 oz. Also available in 8x35 center focus waterproof model.

MICRON BINOCULARS

Line of binoculars from 5x15 to 9x35. All models featherweight and center focusing unless otherwise specified: Prices: 5x15, $37.50; 6x18, $82.50; 6x30, $79.50; 8x30, $89.50; 7x35, $89.50; 8x35, $95.00; 7x50 featherweight, $109.50; 7x50 standard weight model, individual focusing, $89.50; 7x50 waterproof model, $125.00; 8x50, $125.00; and 9x35, $109.50.

CARL ZEISS, INC.
485 FIFTH AVE.
NEW YORK 17, N. Y.

8x30B BINOCULARS

8x30 prism binocular is for use by viewers who wear eyeglasses, with eyepieces of binoculars computed so that they compensate for increased distance between eye and binocular. Field of view is 110 yds. at 1,000 yds. Higher eyecups for use without eyeglasses are available. Price: $162 with leather neck-strap and case.

HENSOLDT DIASPORT

8x20 binocular weighs 8¾ ounces and is 3" long. It is completely self-contained, with all moving parts totally enclosed. Field of view is 120 yds. at 1,000 yds. Price: $77 complete with case and neck strap.

ACCESSORIES & EQUIPMENT

WEEMS SYSTEM OF NAVIGATION
227 PRINCE GEORGE ST.
ANNAPOLIS, MD.

CELESTIAL COORDINATOR

The coordinator gives both the horizon and equinoctial systems of celestial coordinates and shows the relation between the two systems. It gives a graphic picture of the navigational triangle and the elements used in its solution. It quickly solves any spherical triangle to an accuracy of ½ degree. This gives practical values for many purposes such as azimuth, star identification and time of sunrise and sunset and affords a ready, rough, check on computed values of such items as altitude and latitude by meridian altitude. One side has an orthographic projection giving a large scale near the center, the other side a stereographic projection giving a large scale toward the edges. Made of plastic, 8½" by 9" overall, Price, $5.

MARK I, MOD. O. MARINE PLOTTING BOARD

For current problems, relative movement problems, or any other problems involving the use of vectors. It has been found to be especially helpful in radar plotting and is widely used for this purpose. It carries a circular slide rule for solving speed-time-distance problems or any others involving multiplication, division or proportion. Other features are a radial arm, a straight edge with distance scales and table giving yards covered in different times at various speeds. Made of plastic. Overall dimensions: 12¾"x15½". Price, $12.

PROPORTIONAL DIVIDERS

A different speed-time-distance computer with the unique advantage that distance, picked off the chart between divider points, can be immediately converted to the unknown speed or time. Speeds of 6 to 600 in mph or knots, hence equally applicable to air or marine navigation. Can also be used as a regular draftsman's proportional divider. Price, 6" $12; 8" $16.

WSN SPEED-TIME-DISTANCE CALCULATOR

Solves speed-time-distance problems very quickly. Simply align a straight-edge with the two given quantities on the calculator and read the answer. Made of transparent plastic. Inch scales on edges, one in tenths and the other in sixteenths. 12" long. Price, $1.

COURSE PROTRACTOR

Protractors to measure or plot true or magnetic courses or bearings and to measure distances on U.S.C. & G. S. Coast and harbor charts. Arm length is 14", and protractors are made of thick vinyl plastic, with square grid for alignment on chart. Protractors are marked in nautical miles on Coast Survey charts at scales of 1:10,000; 1:20,000; 1:40,000, and 1:80,000. Compass rose is marked in degrees and compass points and indexes are given for true and reciprocal courses and bearings, variation scale for reading magnetic courses. Price: $4.50.

ACCESSORY SELECTION

QUALITY is the key to satisfaction in the selection of marine equipment and accessories. Too often a boatman will class essential navigation instruments and safety devices as extras aboard his boat. Any item brought aboard, however, should be well enough constructed so that they will continue to function in any emergency and be able to resist continual moist atmosphere. Delicate articles that must be left aboard can sometimes be stored in the new plastic bags or in closed containers with a desiccant such as silica-gel added. Do not economize on equipment which will come under strain. Items which can easily fatigue or chafe though are likely to let go in rough seas, just when needed most.

ELEVEN entirely new models . . . thoughtful new features, distinctive new styling, astonishing new performance . . . *completely equipped* for your supreme boating enjoyment!

All-new Lake 'n Sea for '59

FOR 1959, Parsons Corporation announces a dazzling array of completely new Lake 'n Sea Boats . . . skillfully designed, refreshingly styled, beautifully moulded of *Aircraft-Quality Fiberglass* for years of maintenance-free boating pleasure. ¶ Distinguished new Lake 'n Seas, 12 through 18 feet, include husky Fishing Utilities . . . glamorous Sports Utility, Runabout and Semi-Enclosed models . . . luxurious two-sleeper Cruiser. ¶ All except Fishing Utilities are *completely equipped* with factory-installed windshield, steering wheel and controls, remote power controls, seat cushions, deck fittings. Custom dash panel and wheel, running lights, jackstaff also standard on Custom models. ¶ Exhilarating performance—firm-riding, sure-handling, amazing maneuverability! A host of outstanding features! Modestly priced. ¶ Write *today* for free brochure and name of nearest dealer. Make *your* new boat a *new* Lake 'n Sea.

▲ Each section of divided stern seat in Caribbean Runabout tilts forward for convenient access to compartment below aft deck.

▲ Lake 'n Sea 14-ft. Caribbean Custom Runabout—*two* magnificent boats in one! Stern seat is removable for quick conversion to Sports Utility! *Completely equipped*, only $1040. Prices of other 1959 Lake 'n Sea models start as low as $295. Send for full information.

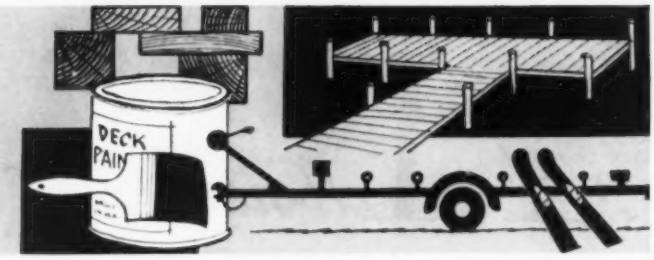
PARSONS CORPORATION—important creative-engineering and precision manufacturing firm for over 30 years and world's largest builder of helicopter rotor blades—has been a specialist in the development and production of fiberglass structures for more than a decade. Superb Lake 'n Sea quality reflects this experience, assures years of boating pleasure.

(Prices quoted f.o.b. factory. Prices, specifications and equipment subject to change without notice.)

Parsons Lake 'n Sea ®

PARSONS CORPORATION • LAKE 'N SEA DIVISION • TRAVERSE CITY, MICHIGAN

BOATING ACCESSORIES



MUCH of the fun, excitement, comfort, and satisfaction of your boating can be supplied by the accessories you add and take along. Some will be essential for safety, others will add greatly to the life and appearance of your boat, and many items will simply increase your enjoyment by a large measure. It is a yachting tradition that your boat deserves the best; often you will find that choice of top quality will quickly repay you in longer life and better performance of the article under the rigors that usage afloat entails.

How To Use This Section

On the following pages are shown representative items from outstanding companies in the marine industry. Each product, in many cases, is only an example of a very large selection of accessories available from the company. They are the experts in this field who, through the years, have developed articles which will stand up under marine usage. When looking for a specific item, study these pages for something similar and then write directly to the companies concerned. They will be glad to refer your inquiry to the proper department and frequently can send you a brochure or catalog listing exactly what you want. This year's boating suppliers have already announced more complete stocks than ever before. And the sign of a landlubber on the water is the man who tries to use shoreside accessories on his boat — often items of hardware or paint that were not designed for marine use and are likely to corrode or fail at times that can be unfortunate or even dangerous. But the alert boatman today can be better fitted out than any old salts who does not study the many new and improved items listed here.

Buying A Trailer

How much does your boat weigh? Add to the manufacturer's statement the weight of motor, full fuel tanks, controls, battery, fishing and camping equipment, ground tackle and safety equipment, and any other items you may stow aboard. Then refigure the load capacity of the trailer you will need. Trailer design has come a long way since the days of the auto wheels and axle salvaged from a junk yard. Today's small wheels drop the boat down where deep water is no longer necessary to float the craft free. Must you launch down a steep bank? A tilt bed will be particularly useful. Occasionally handle the rig alone? A power winch run off your car battery can be helpful. Check the support the trailer cradle gives your hull. A trip over a rough road can dimple or even puncture the hull if it only rests on a scant few braces or rollers. Are the number of tiedowns adequate to keep the craft from sliding off on the road? Check these points in advance to be sure.

ACCESSORY CHECK LIST

- ☐ **Is the article designed specifically for marine use?**
- ☐ **Is it corrosion resistant and sturdy enough to function under emergency stress?**
- ☐ **Is it a quality product whose performance you can trust?**

TRAILERS

- ☐ **Will the load capacity of the trailer you choose take the weight of your boat plus motor, luggage, camping equipment, tackle, fuel, and leave a safety margin?**
- ☐ **Is the hull supported in a few small spots only?**
- ☐ **Does it have a tilted bed for launching?**
- ☐ **Does the winch allow single-handed retrieving?**

SHORESIDE EQUIPMENT

- ☐ **Has similar equipment proved satisfactory in your area?**
- ☐ **Can it compensate for changes in water level?**
- ☐ **Is it suitably corrosion and ice resistant? Demountable?**
- ☐ **Can sections be added at a later date?**

WATER SPORTS ACCESSORIES

- ☐ **Do experts in your locale use similar equipment?**
- ☐ **Are the water skis well made and free from sharp edges?**
- ☐ **Is skin diving equipment you are considering too advanced for your present proficiency?**

MAINTENANCE EQUIPMENT

- ☐ **Are power tools now available to make your job more easy?**
- ☐ **Are the paints, varnishes, and sealers you are considering made expressly for marine use by a reputable company?**
- ☐ **Do they incorporate new tested improvements in this field?**
- ☐ **If you need anti-fouling bottom paint, is a type that has proven successful in your particular waters?**
- ☐ **Are the fiberglass and resin you are considering approved for marine use?**

Buying Shoreside Equipment

Now available, as shown here, are excellent docks, piers, and hoists—many of them that you can erect yourself. Salt water or fresh, tides or constant level? These factors are of great importance. Most units make provision for your type of water and offer additions you may install later. Study the boat hoists now available. For lake areas particularly, one of these can help keep your maintenance problems down and may be suitable for winter storage as well.

Buying Water Sport Accessories

Once again, consult your local experts. Neither water skiing nor skin diving are dangerous unless you try them without proper instruction. The best SCUBA (self-contained breathing apparatus) is not the most expensive—if you are a beginner. Try snorkeling first. Water skis, on the other hand, should be of top quality and well finished so that there are no sharp edges or chances of splintering. Ask for the advice of experienced skiers, and your local dealer.

Buying Maintenance Equipment

Good power tools are now within the reach of every boatman. No kit or complete building job should ever be undertaken without the use of at least an electric drill and some of its many accessories. Study the other tools available if much construction and repairing is planned. Power sanders are the choice of every boatman who ever paints or varnishes. And note boat-yard workers in action—they make it look easy by combining experience with proper selection of good tools. Make a study as well of the new coatings and sealers listed and advertised here. The incorporation of plastics in many new paints is reported to considerably lengthen their effective life.

TRAILERS

ALLOY MARINE, INC.
4618 PTE. TREMBLE RD.
ALGONAC, MICH.

FM-30 TRAILER

Features winch stand with selective pulley positions, lever action boat cradle locks, and is load rated for boats up to 20' weighing up to 2,300 lbs. Also has tail light, dual support rollers.

MODEL FM-20 TRAILER

For transporting, loading, and launching 16' inboard or outboard boats. Total carrying capacity 1000 lbs., length 17'8". Features transom support rollers fitted with screw thread for adjustment to various boat contours.

MODEL FM-15 TRAILER

Load-rated capacity 750 lbs. Handles inboard or outboard boats 14'-15'. Many features including swept-back independent wheel suspension, steel boat cradles with vertical and horizontal adjustments.

AMERICAN TRAILER & MFG. CO.
12222 S. WOODRUFF AVE.
DOWNEY, CALIF.

BT-1601 TILT

Designed especially for 19' fiberglass cruisers. Adjustable rollers, fenders, lights, winch. Capacity: 1800 lb., up to 19'. Price, $448.26. Less winch, $373.89. Other models available.

BT-1200 TRAILER

Designed for wide-beamed-outboard cruisers. Adjustable rollers, bow stop, fenders, and

lights. Capacity: 1500 lb., up to 16'. Price, $295.29. With tilt mechanism and winch, $369.65. Other models available up to 6 boat carrier.

ARNOLT CORP.
WARSAW, IND.

ARNOLT TRAILERS

Full line of boat trailers, from model 600, which handles 14' 600 lb. boats, to model 209 Transport, which handles 5,000 lbs. New "Arno-Flex" suspension eliminates conventional springs and sway braces, provides shock protection and stability with cushioning effect. Adjustable cradles, tilt action bed. Larger models have hydraulic brakes.

ATLAS TRAILER PRODS. CO.
660 S. LOVERS LANE RD.
WEST ALLIS 14, WIS.

ATLAS MODEL CAT-58

Includes retractable cradle and roller for safety when loading and launching. For boats to 16', 850 lb. capacity. Adjustable axle positioning.

BALKO, INC.
LADYSMITH, WIS.

BALKO TRAILER LINE

Line of 14 models. Interceptor series features General Tire and Rubber Co. axle, will handle various boats up to 18' and 1,200 lbs. The largest model in this series will handle 22' and 2,000 lbs. Feature "A" frame, adjustable winch stand, one-man operation.

BILT-WELL
BOAT TRAILER CO.
82nd & BREWSTER AVE.
PHILADELPHIA 42, PA.

MODEL C-1500

Heavy duty trailer can handle 18' outboard cruisers up to

The flying bridge of both the Voyager 17 and the Voyager Custom is high, wide and roomy,—seating three with ease.

FLYING BRIDGE FEATURED IN BORUM OUTBOARD CRUISERS FOR 1959

The 1959 Borum cruisers really spell out the last word in refinements for outboarding.

Here, in one fine boat, the family can have the comfort and accommodations of an inboard cabin cruiser and at the same time enjoy all the economy and versatility of outboard operation. Cushions, deck chairs, folding sun-top and padded berth are among many fine standard equipment features that make this boat the buy of the year.

The flawless finish and deep luster of her clear-grained decks and topside give this all-mahogany beauty found in no other boat.

Send for literature on full Borum line of 18 models

OTIS C. BORUM BOATS, INC.

Box 1164 • Phone EL 5-1156 • Jacksonville 1, Florida

1500 lbs. It has 600 x 9 x 6 ply tires, and 73" width. Price, $419.50.

MODEL C-1200

Wide beam trailer can be used with boats up to 17½', single or dual motor installation, and has capacity of 1200 lbs. Demountable tires are 5.30 x 12 x 4 ply. Price: $314.50.

MODEL C-800

For 15' or 16' boats with motor on transom, trailer has optional extenders to carry up to 17' boats with motor on transom. Capacity is 800 lbs., and trailer has 4.80 x 12 x 4 ply demountable wheels. Price: $230.48; extenders, $15.95.

MODEL C-450

For 12' boats, with motor on transom, or 14' boats without motor, with capacity up to 450 lbs. One-man operated trailer has 4.80 x 8 x 4 ply wheels. Price: $146.50. Also available are extenders to enable trailer to carry 14' boats with motor on transom, $15.95.

MODEL C-600

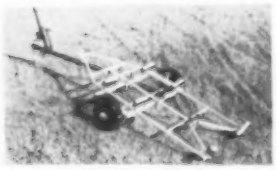
For 14' boats with motor on transom, or 16' boats without motor, trailer has capacity of 600 lbs. and is equipped with 500 x 8 x 4 ply tires. Price, $194.95. Also available; extenders to enable trailer to carry 16' boats with motor on transom, $15.95.

E. L. CALDWELL & SONS
CORPUS CHRISTI, TEX.

LOAD KING LEVEL LOADER

Trailer can handle boats 14' to 16' long, weighing up to 1,000 lbs., and features lever that retracts and raises wheel assemblies, so trailer frame can be lowered and boat launched or loaded at an angle parallel to the water.

DECO
DONALDSVILLE, LA.



MODEL 2000 I.B.

Can handle inboard cruisers up to 19' and 2000 lbs. Features automatic tilt action, rubber roller hull and keel supports, double line winch cable. Dual or tandem wheels and electric brakes available.

ELECTRIC WHEEL CO.
AKRON, OHIO

AIR-BUOY 800 SERIES

Series includes three trailers with 800 lbs. to 1,000 lbs. ca-

pacity, all with Airide Airsprings, 3 keel rollers, adjustable cradle pads and keel chock. Model T-802 features tilt-bar tongue that also swivels. Other models are T-801 and T-800.

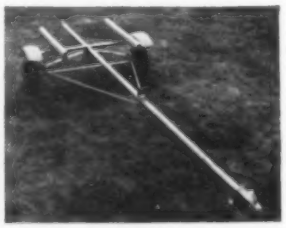
AIR-BUOY 500 SERIES

Series includes two trailers with 650 lb. capacity, with Airide airsprings, keel roller and double safety chain. Model T-501 has 4-roller transom support and cradle rollers, while T-500 has adjustable cradle pads.

T-44 TRAILER

Basic trailer is equipped with coil springs, adjustable cradle pads and prow rest. Accessory group, sold as a kit, contains web tie-down, shock absorbers, taillight kit and winch stand and bow-rest roller.

FLEET CAP'N TRAILERS
NEW BERN, N. C.



MODEL 1112

Trailer for boats 12' and 13' with capacity of 350 lbs. Equipped with fenders, 480x8x4 ply tires and demountable wheels. Price, $114.50.

MODELS 1114 & 1114 DELUXE

Trailers for boats 12' to 14' with motors. Capacity of 750 lbs. Feature fenders, winch and winch stand with bow stop roller, 480x8x4 ply tires and demountable wheels. Deluxe model also features other equipment and tilt tongue. Prices: Deluxe, $197.50; Standard, $169.

MODELS 1116 & 1116 DELUXE

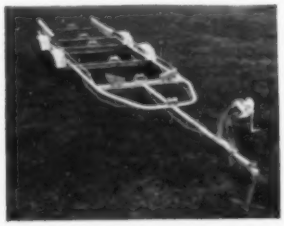
Trailers for boats from 14' to 16', with motors. Capacity of 1,000 lbs. Features fenders, winch and winch stand with bow stop roller, adjustable transom bunkers. Deluxe model also has tilt tongue. Prices: Deluxe, $224; Standard, $210.

MODEL 1118

For boats 17' and 18' with motors, trailer has 1400 lbs. capacity, and includes fenders, heavy duty winch and winch with bow stop roller, adjustable front and transom bunkers, tilt-tongue and "Transom Lift." Price: $297. Model is also available with tandem axles, capacity of 2500 lbs., but without tilt-tongue. Price, $395.

MODEL 1120

Tandem trailer for boats 19' and 20' with motors, and includes fenders, heavy duty winch and winch stand with bow stop roller, adjustable front and transom bunkers and demountable wheels. Capacity is 2500 lbs. Price: $425.



MODEL 1122

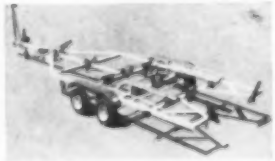
Tandem trailer for boats 21' and 22' with motors, and has capacity of 2500 lbs. Includes fenders, heavy duty winch and winch stand with bow stop roller, adjustable front and transom bunkers and demountable wheels. Price $445.

FOREMAN MFG. CO.
5353 S. STATE ST., CHICAGO 9, ILL.

"BOATRAILERS"

Foreman Boatrailers' line of models includes trailers for boats from 18' to 30' overall length, and have capacities ranging from 2,000 to 10,000 lbs. Features include all-steel chassis electrically welded, lightweight frames, ball and socket couplers, third wheel jack and heavy duty safety break-away chains.

HILLTOP BOAT TRAILER CO.
WAUSEON, OHIO



MODEL #1218 T TRAILER

Trailer is designed to carry 18' and 19' boats up to 2,000 lbs. Features include Super V frame with 15" long self-centering swivel rollers, bow stop and adjustable winch stand. Manufacturer also offers trailers for boats 13' to 24', with 500 lb. to 5,000 lb. capacity. Trailers can be ordered with straight axles and leaf springs or independent wheel suspension.

HOLSCLAW BROS., INC.
408 N. WILLOW ROAD,
EVANSVILLE, IND.

HOLSCLAW TRAILER

The super deluxe 1959 boat trailer, one of a complete line of trailers with capacities ranging from 400 lbs. to 2500 lbs., will handle boats up to 21' in length.

TILT TONGUE TRAILER

One of a line of trailers with capacities from 400 to 2,000 lb., for boats up to 21'. Box frame accessory makes it possible to convert any straight or tilt tongue trailer in this line into a box frame or "A" frame trailer. Supports boat on rubber rollers for protection and easier loading and launching. Trailer accessories also available.

LITTLE DUDE TRAILER CO., INC.
P. O. BOX 4513, FORT WORTH, TEX.

TRAILERS

Trailers for 14' boats are offered in E Series, A Series and B Series, which also has trailer for 16' boats. All have demountable wheels, winch post, chock blocks and fenders, and have maximum load capacities ranging from 500 lbs. to 800 lbs. Prices, from $127.50 to $217.50.

C SERIES TRAILERS

Series offered includes three trailers for boats 14' to 15', 16' to 17', and deluxe model for 16' to 17' boats. All have demountable wheels, winch post, chock blocks, fenders and rocking boom platform. Maximum capacity for trailers is 1,000 lbs. Prices, $228.50, $233.50 and $257.

D SERIES TRAILERS

Series includes B trailers for boats from 14' to 19', with capacities ranging from 1,200 lbs. to 2,000 lbs. All have demountable wheels, winch post, chock blocks, fenders and rocking boom platform. Prices, from $258.50 to $406.50.

See Pacemaker at
Booths B-52 B-53
National Motor Boat Show
New York Coliseum
January 16-25

The real sailors...

will be looking at Pacemaker all-weather Sea Skiffs at the National Motor Boat Show . . . especially the new 40-footer, the largest, most luxurious, most seaworthy Pacemaker ever built! This rugged, solidly-built Cruiser can navigate the roughest inlets with ease; can take you anywhere without a worry about weather!

Sleeping as many as eight, it (and its two 40-foot sister ships) has a 152-square-foot, living-room-size cockpit, a flush cockpit floor for an even greater feeling of roominess . . . a modern galley with an eight-cubic-foot refrigerator . . . nine stowage lockers, two hanging lockers and 12 drawers . . . a pressure water system serving the galley and the enclosed head . . . and a luxuriously-appointed dinette seating four.

A choice of six different twin engines, gasoline or Diesel, gives the 40-foot Pacemaker a maximum top speed of 26 knots and a cruising range of 300 miles.

You and other real sailors will appreciate Pacemaker craftsmanship and fine quality construction too—oak keel, framing and floors; clear cedar planking; double-planked mahogany over heavy oak transom; Everdur fastenings; stainless steel and chrome-plated brass hardware; and other features no mass-production boat can hope to match. See the Pacemakers for '59. Compare these all-weather pleasure cruisers with anything anywhere near their price.

And don't fail to test-drive a Pacemaker 29, 33 or 40-foot model; only by taking the wheel yourself can you *really* know how good a boat Pacemaker is!

Left: Trim, beautifully-styled Pacemaker 40-footers are available in three models—The Standard Express, The Sport Fisherman *(with a flying bridge), and* The Deluxe Convertible Sedan. *Beam is 12'7", draft 2'11". Prices begin at $19,300 f.o.b. Lower Bank, N.J.*

Below: Pacemaker's 29 and 33-foot Sea Skiff Cruisers feature a Formica-top dinette which seats four in complete comfort, flush cockpit floor, full-head-room companionway and ample stowage space for long pleasure cruises and fishing trips. Prices on single-engine 29-footers start at $8200 f.o.b. Lower Bank, N. J.

Take the wheel of a Pacemaker at any of these dealers:

Maine Coast Boat Sales
Boothbay Harbor, Maine

Falmouth Marine Railways, Inc.
Falmouth, Massachusetts

Mystic Marine Railway
Water Street, Mystic, Connecticut

Smith Bays, Inc.
2968 Delaware Ave., Kenmore, New York

Marine Center Inc.
189 W. Montauk Highway, Lindenhurst, L.I., N.Y.

Powell Boat Yard
93 Piermont Avenue, Nyack, New York

Comstocks Boat Works
West Point Pleasant, N.J.

Hotaling's Boat Yard
Toms River, New Jersey

Tidewater Marine Company
Somers Point, New Jersey

Georgetown Yacht Basin
Georgetown, Maryland

Hampton Roads Marina Corporation
Marina Road, Hampton, Virginia

Enterprise Marine Inc.
17090 Biscayne Blvd., N. Miami, Florida

Maximo Boat Basin
St. Petersburg, Florida

Thurston Davies
Detroit 31, Michigan

Catawba Marine Sales
Port Clinton, Ohio

Bauman Bros. & Dick Miller Associates
Sausalito Yacht Harbor, Sausalito, California

"We take the time to build the best"

Pacemaker all-weather SEA SKIFFS Manufactured by **C. P. Leek & Sons, Inc.**, Mullica River, Lower Bank, N. J.

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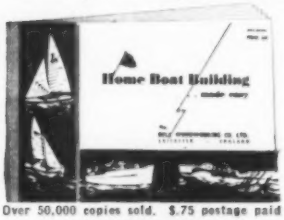
Contains much useful information plus details of our pre-fabricated boat parts for Dinghies, Sailboats, Runabouts, Cruisers, etc. OVER 100 ILLUSTRATIONS.



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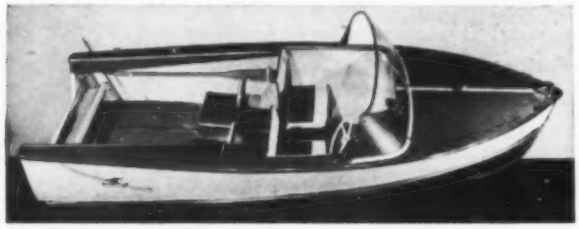


Sweet Seventeen Designed for the whole family! Ideal for every need. Fast, safe, comfortable. Aluminum construction means no maintenance. 17'-6" x 85" beam x 44" freeboard. Beautifully equipped. Available as two or four sleeper. Also as 19-foot model. Sincerely guaranteed for 5 years in fresh or salt water.

Just one of a complete line of aluminum and fiber glass boats — **write for free catalog . . .**

DURATECH MANUFACTURING CORPORATION, PEEKSKILL, N. Y.

T SERIES TRAILERS

Series includes 5 trailers for use with boats from 16' to 22', weighing from 2,100 lbs. to 2,600 lbs. Special models available include trailers for boats from 16' to 19', with maximum capacities from 1,900 to 4,200 lbs. All have demountable wheels, winch post, chock blocks, fenders and rocking boom platform. Prices, from $384.50 to $649.50.

MASTERCRAFT TRAILERS, INC.
MIDDLETOWN, CONN.

MODERNLINE TRAILERS

Series includes two trailers for use with boats to 14' or 16', weighing to 500 lbs. or 750 lbs. Features include double cradle rollers; multi-position running gear; anti-shock transverse suspension; adjustable bow rest; keel and cradle rollers and automotive type demountable wide base wheels. Prices: $136.50 and $151.50.

KIT CRAFT TRAILER

Trailer is suitable for use with boats to 14' and has capacity of 300 lbs. Features include multi-position running gear, anti-shock spring suspension, adjustable bow rest, keel and cradle rollers and automotive type demountable wide base wheels. Price, $99.50.

CRUISERLINE TRAILERS

Series consists of five trailers for boats from 16' to 21', with capacities from 800 lbs. to 2300 lbs. Trailers feature snaplock hold downs; heavy tow bar; twin boom sections; frequency dampening springs; 13-point keel and hull support rollers; ultra-matic lifting, loading and launching ramp; full transom support and geared winch. Models are available with padded supports instead of cradle rollers. Prices: $229.50 to $579.

BANNERLINE TRAILERS

Series includes two trailers for boats 14' or 16', with capacities of 500 lbs. to 750 lbs. Features include "Master Matic" lifting, loading and launching ramp; geared winch; multi-position running gear; anti-shock transverse spring suspension; adjustable cradle and transom rollers and automotive type demountable wide base wheels. Prices: $172.50 and $187.50.

CRESTLINE TRAILERS

Series consists of five break-frame-type trailers for boats from 16' to 21', weighing from 800 lbs. to 2300 lbs. Trailers are available in basic model and standard equipped model. Features include EZY-VEE loading guide to automatically align boat bow with keel roller system; electric-welded total-tilt tubular steel frame; automotive type demountable wheel hub; adjustable running gear and tow bar; and geared winch. Basic model supports supplied to suit individual requirements. Prices: from $149.50 to $529.

MONO MFG. CO.
540 E. COMMERCIAL ST.,
SPRINGFIELD, MO.

MODEL BT-352

Takes boats up to 12-14' and 350 lbs. Wheel size 8". Other models take up to 18' and 2,000 lbs.

MODEL BT-652

Takes boats up to 12-14' and 650 lbs. Wheel size 12". Has tail light and winch.

MODEL BT-602

Takes boats up to 12-14' and 600 lbs. Wheel size 8". Has tail light and winch.

MONTGOMERY WARD & CO.
618 W. CHICAGO AVE.,
CHICAGO 7, ILL.

"T" FRAME TRAILER

750 lb. capacity. 15' formed boom—will take boats up to 16'. Keel, boom and bunk rollers facilitate loading and launching. Centerless ground axle spindles with Timken bearings, non-demountable wheels. Price, $179.

TILT BED "A" FRAME TRAILER

900 lb. capacity. 15' length accommodates boats to 16'. Fea-

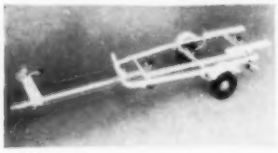
tures keel, boom, and bunk rollers. "A" frame tilts for easy loading and launching. Demountable wheels. Price, $235.

OUTDOOR INDUSTRIES
EXCELSIOR, MINN.

FLEXI-TRAILER

All purpose trailer can be used as box, flat, boat or camping trailer. Plans offered, complete. Price, $4.95.

PETERSON BROS.
P.O. BOX 51, STA. G.
JACKSONVILLE, FLA.



SUPER GATOR 214

For 13-14-foot boats, capacity 850 lbs. One-man "Uni-Lever" operation; self-tilting frame; equalized hull support with transom cradles, bow rests, keel rollers. Has tubeless tires, safety chain, walkboard, tail lamp, directional lights, "Gator Guide" for loading in strong winds, and snap-down parking wheel. Also available: Model 214 Standard, without directional lights, Gator Guide and parking wheel; Models 216 and Super Gator 216 for boats 15-16 feet; and Model 416, for 16-foot, broad-beamed boats.

GATOR 417

For 17-foot runabouts and light cruisers, capacity 1450 lbs. Features same as Model 214. Also available: Super Gator 417, with deluxe features of Super 214.

GATOR MODEL 542

For 18-foot boats; capacity 1900 lbs. Has 4-wheel tandem axle, tubeless tires, finger tip control action, tilting jack, parking jack, two-speed heavy duty winch, directional lights, safety chain, walkboard, 60" transom cradles, 24" bow rests, stabilizer rollers. Also available: Model 541, similar except has 2-wheel single axle, capacity 1700 lbs.; Model 544, 4-wheel tandem axle, capacity 2400 lbs.; Model 554, 4-wheel tandem axle, for 19-20 foot boats, capacity 2400 lbs.; Model 565 for 21-22 foot cruisers, capacity 3000 lbs.; Model 552, for 19-20 foot cruisers, capacity 1900 lbs.

PACEMAKER
BOAT TRAILER CO.
622 E. GLENOLDEN AVE.
GLENOLDEN, PA.

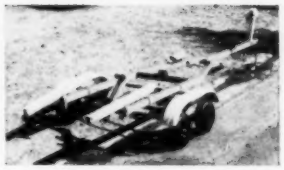
MODEL 525

Capacity 500 lbs., 14'. Features adjustable running gear, easy glide center rollers, welded steel tubing frame, rubber covered side bunks, waterproof wheels, full tilt boom and bed trailers. Also available: full line of boat trailers including Model 1500, capacity 1800 lbs., 20'.

PARIS TRAILER CO.
504 HASTINGS ST., PARIS, TENN.

259T STANDARD TRAILER

Trailer has 700 lb. capacity and features include electric-welded tubular steel tongue, all-welded frame, Timken bearings, demountable wheels and Fulton winch and hitch. Price, $189.50.



559T TANDEM CRUISER

Trailer has electric-welded tubular steel construction, walking beam, Fulton winch and hitch, Timken bearings and hard rubber rollers. Capacity is 1,500 lbs. Price, $349.50.

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1925-35 S. CHADWICK ST.
PHILADELPHIA 45, PA.

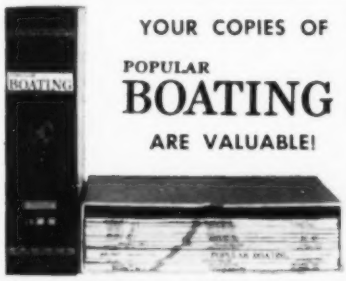
RAMSEY TRAILERS

Tandem axle models for boats 20'-30', 5,000-10,000 lb. capacities. Box type welded frame, steel axles, electric brakes with hand and foot control, lighting system, parking jack. Various color combinations available.

SPORTSMEN'S PLANS
P.O. BOX 193C, MALVERN, PA.

BOAT TRAILER PLANS

Complete blueprint, drawn to scale, plus directions for building trailer for boats up to 16 feet in length. Price, $2.00.



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P.O. BOX 264, SALEM, OHIO

DRIVE-ON TRAILER

Trailer is available with capacities from 800 lbs. to 2,000 lbs., for boats from 14′ to 21′. Outboard motor power is used to load and unload boat. Features include support rollers, guide rollers and arms, Timken bearings, safety coupler, and stop and tail light.

TEE-NEE TRAILER CO.
YOUNGSTOWN, OHIO

TEE-NEE TRAILERS

Line of trailers includes 16 A-Frame and T-Frame styles of all types of hull designs up to 3,400 lbs. Fin-type is featured on some trailers, while other features include increased-pull winches, roller-type cradles on all models except light load model and break-frame designs.

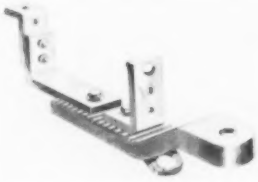
TRAILER ACCESSORIES

AIROLLER CO.
GUILFORD, CONN.

AIROLLERS

Large canvas-rubber lined cylinders inflated to low pressure by mouth, allow rolling of heavy boats over smooth or rough terrain from trailer to water. In various sizes for boats from below 700 lbs. to 3000 lbs., priced from $9.95 to $39.50.

AUTO-MARINE DIV., ATWOOD VACUUM MACHINE CO.
ROCKFORD, ILL.



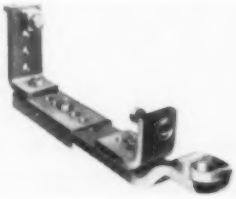
ATWOOD ECONOMY HITCH

Adjustable hitch fits all cars, pulls up to 2,000 lbs. load. Covered with rust and corrosion resistant paint. Stays locked tight after installation.

TRAILER JACK

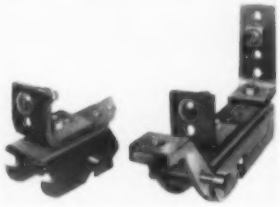
Jack is of pressed steel and is equipped with a heavy-duty wheel 6″ in diameter and 2″ wide with horizontal bearing and utilizes non-slip ratchet type lift action that locks in position. Jack lowers to 8″ and lifts to 27″ and offers a 500 lb. tongue-load capacity. Manufacturer also has complete line of hitches, couplers, balls, bumper clamps, winches and other trailer accessories.

BIG BOY PRODUCTS DIV.
DALTON FOUNDRIES, INC.
WARSAW, IND.



FIXT-HITCH

Trailer hitch is economy model designed to fit most cars and has extra heavy bumper bracket to meet S.A.E. test requirements.



SAFE-A-WAY

Trailer hitch has retractable ball platform which folds out of sight under automobile bumper when spring-loaded safety catch is pulled.

DRAW-TITE MFG. CO.
BELLEVILLE, MICH.

TRAILER WINCH

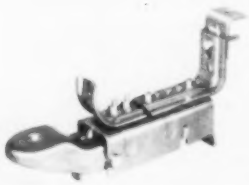
Heavy duty boat trailer winch with double gear reduction, spring-loaded ratchet and separate mechanical hand brake. A 30 lb. effort on winch handle produces a pull of 3,500 lbs. Other features include removable handle, safety chain, and two-speed, straddle mounted pinion gears. Winch is cadmium plated over steel. Two smaller models, of 700 and 500 lbs. capacity, are available for handling small boats.

DRAW-TITE HITCHES

Each hitch is custom made for a particular car make, year, and model. Utility model handles to 2000 lb., attaches to both frame and bumper, only ball shows when installed. Chrome or cadmium plating

over cold rolled steel. Heavy duty model handles to 5000 lbs.; both models install in 15 minutes. Also available: Cam-Tension Trailer Coupler, handles to 2500 lbs., has tongue-grip channel construction, safety chain, positive cam action.

THE FULTON CO.
MILWAUKEE, WISC.



FULTON HITCHES

Fulton No. 175 frame hitch features a draw-bar that can be removed and replaced in seconds without tools. There are no bolts or pins to remove, no moving parts exposed to road grime and rust. Fits most late model cars. Other models of hitches in cadmium plated or triple chrome plated metals.

FULTON WINCHES

Three new winches with higher gear ratios and load capacities feature 1¾″ hubs, furnace brazed pinion gears, adjustable clamps, 2-way ratchet with "off" position, plastic roller grip handles, oil impregnated, high pressure powdered iron bearing throughout. No. 294: capacity 1400 lbs., gear ratio 5:1; No. 292: cap. 1200 lbs., g/r 4:1; No. 290, cap. 1000 lbs., g/r 4:1.

GENERAL LOGISTICS DIV.
AEROQUIP CORP.
2929 FLOYD ST., BURBANK, CALIF.

AEROQUIP TIE-DOWN

Can be used as boat-to-trailer tie-down, water ski tow, and outboard motor safety chain anchorage. Attaches to transom, distributes load over transom. "Weblock" strap assem-

bly provides quick attachment or removal of tie-down, eliminates knots, has rated strength of 600 lbs. per assembly. Further information on request.

THE McKAY CO.
1005 LIBERTY AVE.,
PITTSBURGH 22, PA.

TOWING CHAIN

14′ long, with a grab hook at each end, 7¼ lb. weight. All purpose; may be used as safety chain with boat trailer, or as boat painter. Write for literature.

MARKET FORGE CO.
EVERETT, MASS.

BOAT-VEYOR

"One-man method of transporting boats." Handles boats up to 200 lb., including many 14′. Semi-pneumatic rubber-tired wheel allows for easy rolling to and from car, ramp provides smooth loading of boat to car roof. No parking or trailer problems. Complete, $42.50.

PETERSON BROS., INC.
P. O. BOX 51, STA. G.,
JACKSONVILLE, FLA.

GATOR CLASS A DIRECTIONAL LIGHTS

Legal in all states. Also conversion units for expanding ordinary single tail lamps into directionals. Kits contain lamps, wiring, hardware, diagrams. Also now available is "Gator Guide" for loading boats in strong winds and currents; can be adapted to most trailers. Features free running rollers that cannot damage boat. Other available accessories: Snap-down parking wheel which can be locked in "up" position and fits any trailer with 2⅜″ square tongue; Nylon tie-down straps available in 10′, 13′, and 16′ lengths.

SEABRIGHT
MARINE HARDWARE
1630 SUPERIOR AVE.,
COSTA MESA, CALIF.

DINGHY DOLLY

Lightweight Anodized aluminum dolly capable of moving boats up to 9′. With white rubber tires. Price, $39.50.

SPARTON CORP.
JACKSON, MICH.

DIRECTIONAL SIGNALS

For use on boats or trailers

being hauled over the highways. Weather and corrosion resistant. Approved in all states. 6 and 12 volt models, $14.95 to $16.20.

DOCKS

ARCO MFG. CO.
1701 13TH AVE. NORTH,
GRAND FORKS, N. D.

DRY DOCK KIT

32' boat ramp kit can handle all boats and pontoon craft up to 1,000 lbs., and can be operated with manual or electric winch. Dry-dock uses system of rubber wheel assembly to track boats. Price: ramp kit, including wheels, steel parts for lower and upper sections and winch tower assembly, $89.44. Boat winch, complete less motor and cable, $37.95. 16' lower section kit, $47.95. 16' upper section kit and winch tower, $41.49.

ARROWHEAD RUBBER
& MFG. CO.
SHAKOPEE, MINN.

DOCK BUMPER STRIP

Half-round diameter, 18" long, Compression-molded solid rubber strip designed for mounting to the sides of metal or wooden decks or posts. Made in fast colors and non-marking, this item is pointed toward the outboard speedboat and cruiser owner. Price $1.00.

ELECTRO MARINE PROD.
BOX 522, OAK RIDGE STATION,
ROYAL OAK, MICH.

SECTIONAL DOCK BUMPER

Available in 12' lengths, this new bumper is extruded of RN/RS, a tough, resilient synthetic rubber; it is weather and salt water resistant and will stand up under rough treatment. Will not mar or smudge boat finish. Available widths, 2", 4" and 6". Price, $1.75 per foot in 6" width.

DOCK AND BOATHOUSE REFLECTOR

Constructed of molded and hermetically sealed prisms, the reflector can be seen from any angle up to 1,000 feet away. Has brass lag screw and can be driven into any dock, piling or boathouse. Available in white or amber, shaped hour-glass, oval or half oval or bell buoy. Price, $2.35 and $4.40.

FIBERCRETE CORP.
1617 W. GAYLORD,
LONG BEACH 13, CALIF.

FLOATING DOCKS

Reinforced hollow concrete units in various sizes and shapes that can be joined together. Units vary from 3'x8' to 8'x8', displace 91 lb. of water per sq. ft. of dock surface. Dead weight 23 lb. per sq. ft. Claimed to be maintenance free except for painting of the stringers holding the units together.

HUSSEY MFG. CO.
N. BERWICK, ME.

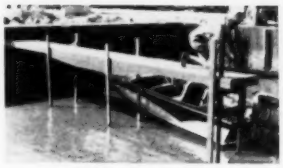
SECTIONAL LANDING PIER

"Laughing Loon" sectional piers come in ready to install 12' sections, 4 or 6 ft. wide, with steel supports. Easy to unmount and store. Metal parts resist corrosion and freezing. 4' x 12' sections, complete with adjustable steel horses, start at $123; complete 6' x 12' sections start at $142.

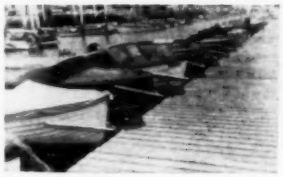
KLEIN STEEL CO.
408 N. BUCKEYE ST., BELLEVUE, OHIO

KLEECO ALL-STEEL DOCKS

One-piece steel section docks feature non-skid deck surfaces, stiffeners to minimize deflection on deck area, interchangeability, and adjustability. Docks are available in standard Skipper model and heavy duty Triton docks. Manufacturer also offers pontoon floating steel docks.



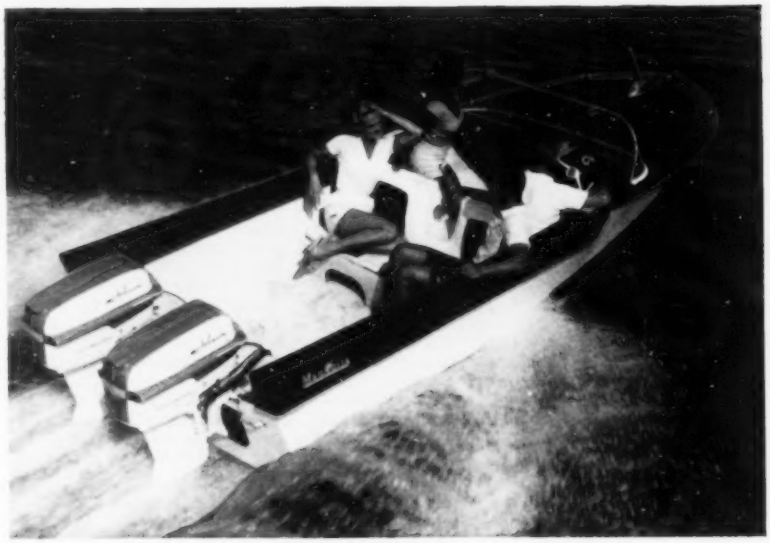
MAMARONECK MARINE
SPECIALTIES CO., INC.
P. O. BOX 188, MAMARONECK, N. Y.



BASCOME BOAT HOLDER

Device prevents small boats from bumping and scraping while at dock and provides secure bow-on berthing. Cast iron base and stainless steel arms to form a Vee, covered with foam rubber and canvas. Boat bow is brought into the Vee and painter secured to iron casting. Arms can be raised for alongside docking. For boats to 18'. Price, $59.95.

Yours...for Glamour...and GO!



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Fiberglass Boats

Here's the boat designed from stem to stern with your enjoyment in mind. Clean, modern styling—durable one-piece fiberglass hull for minimum upkeep, maximum safety—spirit-lifting colors. 15', 16' and 21' runabouts and cruisers.

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Magnolia BOAT MANUFACTURING COMPANY
A Division of Magnolia Mobile Home Manufacturing Co.

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LASTING PROTECTION & BEAUTY

for your boat! . . . with —NEW— IMPROVED BoatLIFE

THE MIRACLE MARINE FINISH

Beautiful, glossy BoatLIFE, better than ever as a result of latest improvements, is the finest finish your boat can have. In recent tests, New BoatLIFE withstood over 1 year of the most severe weather and water conditions possible **without the slightest sign of deterioration!**
New, Improved BoatLIFE is positively waterproof, highly resistant to marine growth and affords maximum protection against rot. With New BoatLIFE, you're assured of an extremely hard, durable finish, yet a **complete** flexibility impossible with even the finest spar varnish. And for gloss, BoatLIFE can't be beat! New, Improved BoatLIFE gives a deep, ultra-high gloss that **holds**—for the **whole** season! So easy to apply! Flows on smoothly even over other finishes. Dries tack free and amazingly fast even in dampest weather. Can be used on wood, canvas or metal—horizontal or vertical surfaces—but be sure to prepare surface properly for best results.
Available in glistening Plasticlear or brilliant colors (Blue, Red, Gray, Green, Black, Ivory and non-yellowing Flat or Gloss White). Ask for BoatLIFE at your dealer, or order direct for $3.85 qt., $12.80 gal., ppd. (West of Miss. add 25¢ qt., 50¢ gal. to cover shipping charges.)

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Cruiseroller	boats to 3000 lbs.	$39.50 each

The AIROLLER Co., 211 Broad Street, Guilford, Conn.

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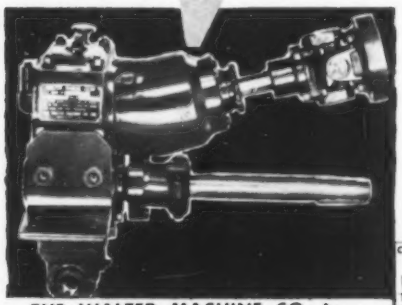

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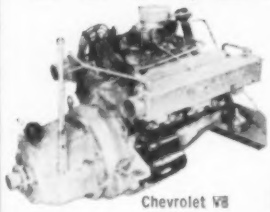

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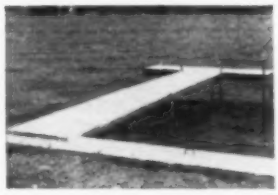
All-steel ladder is bolted to dock or float, with four steps extending 46" below deck. Steps have smooth rounded edges and swing up to top of dock when not in use. Float brackets rigidly join standard 55 gal. drums to deck assembly.

STRAIGHT DOCK BRACKETS

Dock brackets for use in building docks without working in water. Ends of wooden dock sections are bolted to flanges on each side of pipe socket—set-screw holds bracket securely at desired height on pipe. Made for 1¼", 1½" and 2" steel pipe.

METALLOY PRODUCTS CO.
HUDSON, MICH.



ALUMA-SPAN PIER

Lightweight aluminum pier can be built to desired length and shape and is easily installed and removed. Self-securing auger heads anchor solidly in any type of bottom. Standard assembly consists of 2 round uprights with cast aluminum auger heads; one aluminum crossbar; two cast aluminum clamps and two cast aluminum stringer brackets. Uprights come in 4', 5', 6', 7', 8' and 10' heights; crossbars in 3', 3½' and 4' widths. Wood or aluminum decking available. Price: varies with size of pier.

ALL-ALUMINUM PORTABLE PIER

Standard components can be used to build piers of any length, height and design, with or without wooden decking. Standard assembly consists of two round aluminum uprights with cast aluminum augers bolted to the bottom, one aluminum crossbar; two pair of adjustable cast aluminum clamps and two upright cap castings. Adjustable rail bracket assemblies for stringers also are available. Upright heights begin at 4' and are available in increment increases of 1 foot and crossbars in widths of 3, 3½ and 4 feet. All are of 2" O.D. extruded aluminum alloy with .062 wall thickness. Castings, including auger heads, are of alloy aluminum. Auger heads are self-securing and self-releasing. Wood decking, prime coated, is available in 10' lengths (consisting of three sections), in 3, 3½ and 4 foot widths. Either aluminum or wood stringers can be used to support decking.

PFAFF & KENDALL,
MARINE LIGHTING DIV.
84 FOUNDRY ST., NEWARK, N. J.

LIGHTING INSTALLATIONS

Lighting system includes davit-style posts and Cirlelux fluorescent luminaires. Made of aluminum, systems allow 360° of pivot to face in any direction.

REIMANN & GEORGER
1849 HARLEM RD., BUFFALO 12, N. Y.

BEACHER RAILWAY

Handles boats of any length with beams to 7', and weights to 1500 lbs. Boat is driven between mooring stakes, fastened with 2 elastic mooring straps and pulled up on shore. Carriage is made of steel channels and angles, mooring stakes of heavy rounded oak. Bow and stern supports are wood lined to protect boat. Price, $185 approximately, including 40' of track, with extra track sections available in 10' lengths. Hand winch or power winch is available at extra cost.

SEABRIGHT MARINE HARDWARE
DIV. OF NEWPORT SUPPLY CO.
1630 SUPERIOR AVE.,
COSTA MESA, CALIF.

EMMICK DOCK WHEEL

Has heavy-duty iron base, heavily galvanized, and requires no maintenance except occasional lubrication. Wheels are fitted with resilient, oversize white rubber tires, and allow free up-and-down play so wheel will roll and ride with listing of boat. Prices, Model 275-C 10" corner mount, $39.50 pr.; 275-S 10" side mount,

$39.50 pr.; 300-C 12" corner mount, $55 pr.; Model 300-S 12" side mount, $55 pr.; 400-C 16" corner mount, $75 pr., and model 400-S 16" side mount, $75 pr.

SAGEN BOAT HOIST CO.
WEEDSPORT, N. Y.

SENECA DOCKS

Docks have decks of seasoned cypress and come in sections 3' wide by 5' long, and are fastened in place with 4 zinc-plated bolts. They have individually adjustable tubular legs, with fenders and railings optional. Connection angles and ladders are available. Manufacturer also offers sectional steel docks.

HOISTS

ACME MARINE HOIST, INC.
658 ROCKAWAY TPKE.,
N. LAWRENCE, L. I., N. Y.

MOBILE BOAT HOIST

Electrically operated hoist can be used by one man. Boats can be carried and loaded in either direction. Adjustable slings for all models. In 4 to 10 ton capacities. Additional literature on request.

PHILADELPHIA HOIST DIV. OF INDUSTRIAL ENTERPRISES, INC.
354 N. HAMILTON ST.,
DOYLESTOWN, PA.

MODEL P HAND HOIST

"Philadelphia" hand hoist is available in ½, 1, 1½ and 2 ton capacities, and has body of aluminum alloy and pinions, gears and load chain of alloy steel, and ball bearings. Prices from $116 to $226.

KING MFG. CO.
3139 W. CHICAGO AVE.,
CHICAGO 22, ILL.

75 ELECTRIC HOIST

A compact unit used to pull boats into dry dock, or boat houses. It is equipped with a ¾ HP motor either single phase or three phase and is reversible for paying out cable. This model is push-button controlled so that operator can walk alongside of the boat while it is being pulled in. Brake on motor holds the load when current is off so no mishaps occur. Price, $485.

12 S WINCH

Is equipped with ½ HP single or three phase electric motor. Operator can walk along with the boat while operating the winch. Price, $245.

9 CAPSTAN

Has 700 lb. pull and is equipped with a 2½ HP engine. Used with manila rope you can hold the load, lower the load, or pick up the load by merely tightening or loosening the wraps around the spool. Equipped with Briggs & Stratton air-cooled engines in various sizes and electric motors if desired. Portable enough to be moved from job to job. Weighs 226 lbs. Can be equipped with a bronze spool at additional cost. Price, $290.

MADISON MARINE
BOX 92, BRAINERD, MINN.

RUNABOUT HOIST

1000 lb. capacity which will handle all outboard runabouts. Hoist is made in two A frames tied together on the top with angle irons. Each A frame can be installed separately and spaced according to the length of the boat. The angle irons on the top are then bolted to the A frames to hold it in position. Adjustments on all 8 legs of the hoist to take care of the unevenness of the lake bottom. Adjustment is made above the water. In taking hoist out of lake in the fall remove the 4 bolts which hold the angle irons to A frames and each A frame is then carried separately to shore. Top brackets are available for $9.50. With these, an owner needs to only purchase 2x2's of desired length and place these on top of hoist. This makes a framework over which canvas covering can be placed to make a boat shelter as well as hoist. Price, $9.50.

OUTBOARD HOIST

Designed to be taken in and out of the water in the Fall and Spring by separating the frames. Has adjustable legs for unevenness of the lake bottom. Capable of lifting up to 1000 lbs. Price: $167.50; top brackets available for $9.50.

MANNING, MAXWELL & MOORE, INC.
MUSKEGON, MICH.

CRANES AND HOISTS

Complete line of cranes, hoists and other load-lifting and load-handling products includes "Shaw-Box" heavy duty electric traveling cranes; "Load-Lifter" wire rope type electric hoists; "Budgit" portable electric hoists, chain

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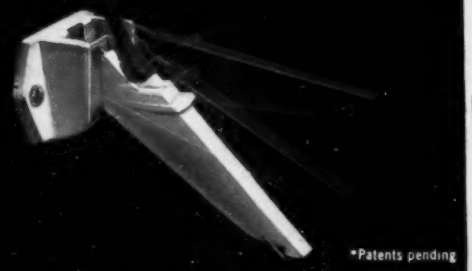

*Patents pending

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Aqua Meter speedometers are "Certified Accurate" by The U. S. Testing Co.

The revolutionary new Aqua-Matic Speedometer Impact Tube, for uninterrupted, precise speedometer readings...with all Aqua Meter speedometers! Rides safely over driftwood, other obstacles...springs back into position automatically...sheds fouling weeds. Rugged Zytel nylon construction . . . safe for all hulls—aluminum, wood, steel, fiberglass.

Write for the all-new 1959 catalog.

AQUA METER INSTRUMENT CORP.
A Subsidiary of KETCHAM & McDOUGALL, Inc., Roseland, N. J.

Let The SEISS F-L-A-S-H-I-N-G BEACON Guide You Safely To Your Pier

Revolving light flashes 60 alternating red and green beams per minute! Handsomely made of metal with baked enamel finish and anodized interior. 10" high, 6" diameter. Parabolic lenses for distance visibility. Plugs into any 115/120 A.C. outlet. Every boat owner NEEDS one! Also ideal for home, patio, swimming pool.

At your Marina or order direct.

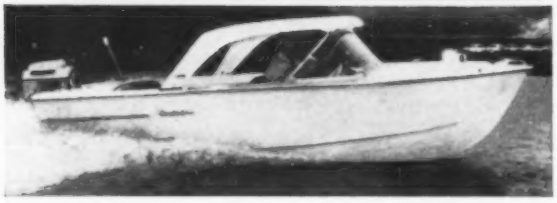
Dealer/Distributor Inquiries Invited

THE SEISS MFG. CO.

3851 Seiss Ave. Toledo 12, Ohio

ONLY $29.88 Post-paid

NEW for '59 TRAILORBOAT



10 Models • 4 Sizes FIBERGLAS

5 Models • 21 Sizes ALUMINUM

Everything from cartoppers and runabouts to cruisers in Fiberglas. New aluminum models for fishing, skiing and fun.

Write for free folder.

TRAILORBOAT ENGINEERING CO.

923 Francisco Blvd. San Rafael, Calif.

STOP DESTRUCTIVE VIBRATION DUE TO IMPROPER SYNCHRONIZATION OF TWIN MARINE AND AIRCRAFT ENGINES

SYNCRO-SCOPE

A reliable, tamper-proof electronic instrument that indicates, by means of blinking neon light, EXACT degree of synchronization of twin marine and aircraft engines. Sealed Electronic component impervious to moisture. Entire instrument encased in non-corrosive brass housing, coated with fungus-proofed baked enamel. No moving parts.

PAT. PEND.

At Your Dealer or Write

PRICE $24.50

Complete mounting instructions. Easy to install.

Manufactured by

ERA METER CO.

3932 N. Kilpatrick Ave., Chicago 41, Ill.

DAVITS

by Capt. John of course...

THE WORLD'S LARGEST PRODUCER OF BOAT DAVITS

12 models

CAPT. JOHN'S MARINE HARDWARE

P. O. BOX 92 • WETHERSFIELD, CONNECTICUT

blocks, crane assemblies, cord reels, bridge drives and Gantry "A" frames; "Tugit" portable hand-operated hoists and "Tipit" adjustable load sling for tipping loads.

PETERSON BROS., INC.
P. O. BOX 51, STA. G., JACKSONVILLE, FLA.

PORTABLE MOTOR HOIST

Especially for use with large outboard cruisers. Will clear low doors; rolls over rough ground; will not tip over. Has winch, safety brake, hydraulic controls.

REIMANN & GEORGER
1835 HARLEM RD., BUFFALO 12, N. Y.

ELECTRIC BOAT LIFT

Model OB 1800, has heavy vertical supports and lifts boat higher than previous models. Designed for outboard cruisers up to 20' overall length, weighing 1,800 lbs. Electric and manual operation models.

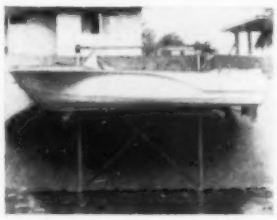
BOAT LIFT MODEL IB-2500

For inboard boats with lifting rings, this lift will handle inboards to 20' long, and 2500 lbs. Features include rigid frame of steel angles and channels, with each leg individually adjustable to suit irregular bottom conditions. End frames supporting lifting blocks are adjustable to match lifting eyes of boat. Lifting mechanism consists of galvanized wire rope rove through multiple wire blocks at each end and wound around a central drum, operated by 6' hand wheel. Other models are available to handle outboard cruisers and small outboards, with electric power drives available for all R&G boat lifts. Prices, from $97.50 to $295.

DUPLEX BOAT LIFT

Duplex boat lift handles boats up to 8' wide, weighing up to 1,800 lbs. All legs have extra long adjustable pipe leg extensions operated by automobile jack. Side and end curtains are available for winter storage use.

SAGEN BOAT HOIST CO.
WEEDSPORT, N. Y.



ELEVATOR BOAT HOIST

Vertical lift elevator hoist has keel support and vertical guide bars, with 1,000 lbs. capacity. Cradle lift is 8' standard, width is 6'5", with distance between cradles 8'. Hoist can be hand-operated or used with optional 1 HP fully enclosed, reversible single-phase 110-220V motor with 100 to 1 worm gear speed reducer. Other hoists and dock equipment also available.

OUTBOARD MOTOR DAVIT

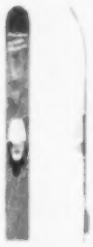
Davit for installing and removing heavy outboard motors lifts 60" above dock, reaches out 30" and stem mounts directly into 1½" pipe dock leg. Plate socket is available to permit davit to be used on light trucks for loads up to 300 lbs. Winch is adjustable on stem and can be cranked from either side. Price, $34.50; plate socket, $4.75; adjustable motor sling, $7.50.

SAGEN FLOOR CRANE

400 lb. capacity crane for moving all types of outboard motors within shop has full ball-bearing casters and lowers to pass through doorways. Winch is adjustable for height, and crane is of all-steel heavy tubular construction.

WATER SKI EQUIPMENT

THE AMERICAN PAD & TEXTILE CO.
GREENFIELD, OHIO



TAPATCO WATER SKIS

Line of skis and ski accessories. Skis constructed of ash. In beginner's, children's, and advanced styles. Catalog on request.

COLUMBIAN ROPE CO.
AUBURN, N. Y.

WATER-SKI ROPES

High-tenacity Polyethylene

water-ski rope floats, won't tangle with propellers. Breaking strength approximately 900 lbs.—braided; 1050 lbs.—laid. Complete with single or double handle. Braided or laid, 3 strand, ¼" diameter. Also available in Manila Rope, complete with plastic float. Vinyl covered handles for a surer grip.

ENVON PRODS. CO.
4713 MAPLEWOOD DR.,
ELKHART, IND.

SKI HOOK

Stainless steel ski hook has large chromed flange plates. Has offset design to allow straight line pull to prevent tipping. Rope catch is white neoprene. Also available: Envon ski rope of No. 8 quality 1,170 lb. test floating polyethylene. Includes slotted round-end handles and water ski booklet in poly storage bag.

LAUDERBACK IND.
7533 N.E. KILLINGSWORTH,
PORTLAND, ORE.

SKI TOW HOOK

Part of a complete line of water skis and accessories. Chrome plated, steel construction. Eliminates fouling of ski ropes. No moving parts. Price, $1.95 each.

LEONARD'S METAL, INC.
2310 W. CLAY ST., ST. CHARLES, MO.

WATER SKIS

Aluminum water skis have built-in air pockets and are leakproof. Available in 5'9" and 4' models, and also as single 5'11" slalom skis. Prices: from $34.50.

MAGIC TOOL, INC.
991 WILLIAMS ST.,
SAN LEANDRO, CALIF.

BOAT AND SKI FINS

Aluminum construction. Three sizes available. Priced from $1.48 to $2.97.

SCANDIA MARINE
JUNOPRODUKTER AB,
UDDEVALLA, SWEDEN

SKI-BUOY

Buoyant planing skis can be used for "walking" on the water or gliding behind low-powered boats or sailboats. Ski-buoys are available in 2 sizes, with capacities of 150 lbs. and 250 lbs., and are made of fiberglass.

SEA DART
PORTLAND, ORE.

SKI ROPE PULLEY

"Sea Dart" pulley features T-ring fastener to prevent accidental release. Up to 3 ropes may be secured at the same time. Features nylon sheave, brass bearing, stainless steel shrouded axle.

SEA MATE PRODS. CO.
BOX 210, CLARKS SUMMIT, PA.

SKI TROLLEY

Adds safety and maneuverability to water skiing. Has two nylon wheels in trolley. Price, $14.95. Ski Trolley "Junior" has smaller track, $9.95.

STERLING PRODUCTS CO., INC.
MARINE DIV.
180 E. 6TH ST., ST. PAUL, MINN.

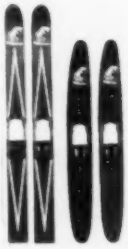
STERLING WATER SKIS

Line includes all-solid ash skis in 11 basic models, including regular types, banana pairs, banana slaloms, regular slaloms, with junior size bindings available on all models. Company also offers ski tow rope of braided polyethylene.

ACCESSORIES

Line includes map case, tool bag, polyethylene foam boat fenders and plastic accessory cases and ski cases.

WHITE BEAR WATER SKI CO.
5315 BALD EAGLE BLVD. W.,
WHITE BEAR LAKE 10, MINN.



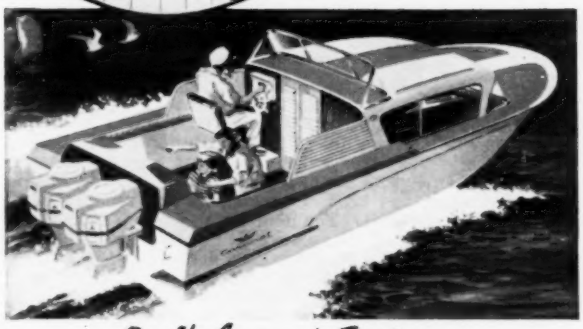
WHITE BEAR WATER SKIS

Full line of over twenty types of skis. *Model BC* is 71" long, of ash lumber construction with maple and mahogany striping, aluminum and neoprene rubber harness. For use behind outboard motors from 22 HP and up. Weight, 19 lbs.;

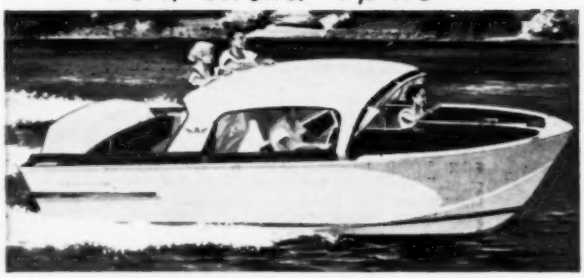
Coronet

FIRST OUTBOARD ACROSS THE ATLANTIC

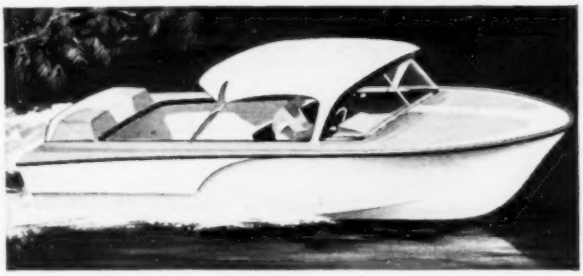
Botved Boat Company present for '59:



20 ft. Coronet Explorer



18 ft. Coronet hardtop sedan



16 ft. Coronet all fiberglass convertible

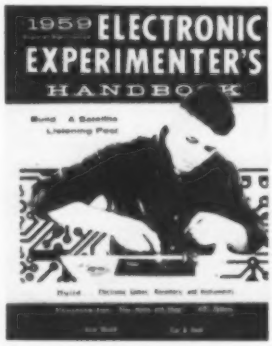
Coronets all have the famous retractable windshields. See for yourself at the New York and Chicago boat shows why these outstanding boats have truly become the desire for those who demand nothing but the best.

IMPORTED FROM DENMARK

Write for name of your nearest Coronet dealer to Botved Boat Company Ft. Lauderdale . Fla.

50

new projects for "do-it-yourselfers"



The 1959 ELECTRONIC EXPERIMENTER'S HANDBOOK is now on sale! If you like to build useful, money-saving electronic devices and experiment with new projects, the ELECTRONIC EXPERIMENTER'S HANDBOOK is for you. Each project has been pre-tested by the readers of Popular Electronics. You'll find step-by-step instructions, hundreds of illustrations and diagrams. Last year's edition of the ELECTRONIC EXPERIMENTER'S HANDBOOK was a sellout at many newsstands. Be sure to pick up your copy of this year's edition now—only $1.00!

over **160** *pages*

FOR YOUR HI-FI. Transistorized preamp and control unit. One-tube hi-fi AM tuner. Tuner and audio radio. Make your own phonograph arm. Hi-fi slave. Switch to stereo. Slot-box your speaker. Personal stereo player. Suit your volume with a T-pad.

FOR YOUR HOME. Build a "conversation piece." Electronic secretary. Flash light with transistors. Trap unwanted stations. Conelrad your home. Battery-operated proximity relay. Make your own disc records. A clown for the kids. Two-set coupler. Simpla-timer. Transistorized photoflash. Electric shutter release.

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RECEIVERS. Build a "Half-Pack." Monoceiver to pull in DX. Pocket FM Receiver Converter for daytime DX.

ELECTRONIC GAMES. The Quizzomat. A lively "Warmth Meter." Win at Nim with Debicon. Tic-Tac-Toe mate. Compute with Pots. Games with Nixie tubes. Bullets of light. Catch the vanishing ball.

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FOR THE EXPERIMENTER. How to make parts substitutions. How to use Decals. Put Pots to work.

The 1959 edition of the ELECTRONIC EXPERIMENTER'S HANDBOOK is now on sale —only $1. Pick up your copy today at your newsstand or radio parts store.

Ziff-Davis Publishing Company
434 South Wabash Avenue
Chicago 5, Illinois

price, $42.95. Line also includes 18" laminated shoe skis from $14.95, as well as other regular and banana skis, accessories, aquaplanes, and toboggans.

SCUBA EQUIPMENT

DIVEMASTER USA CORP.
5637 W. 63RD PL., CHICAGO 38, ILL.

UNDERWATER EQUIPMENT
Line offered includes Divair two-tank underwater breathing apparatus, Skooba suits for divers and R-L Radar-Lites.

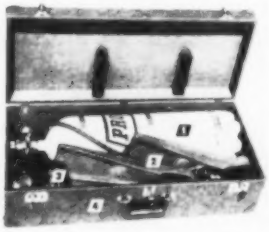
ENICAR WATCH CORP.
681 FIFTH AVE., NEW YORK 22, N. Y.

DIVER'S WATCH
Sherpa Diver 600 features luminous turning bezel, elapsed time indicator, 600 ft. pressure-tested, 17 jewel automatic movement. Price $99.50.

R. C. ENGINEERING SALES CO.
1545 MENDOCINO DRIVE,
ALTADENA, CALIF.

CLEAR-SITE GOGGLE
Plastic wide-angle goggle with high impact strength. Temperature and weather resistant. Price: $2.50.

ROSE AVIATION, INC.
PRO-SCUBA DIV.
AURORA, OHIO



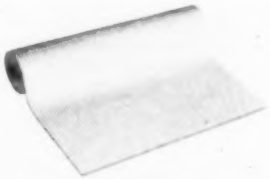
TREASURE CHEST
Packaged kit for skin divers includes Rose PRO "Custom" Scuba lung complete, pair of Swimaster "Duck Feet" fins, Swimaster "Wide View" face mask, all fitted in storage-carrying case, made of plywood with DuPont Fabricoid cover.

U.S. DIVERS CO.
11201 W. PICO BLVD.,
LOS ANGELES 64, CALIF.

NEMO WRIST DEPTH GAUGE
Designed especially for skin diving. Reads up to 200 ft. In shock-resistant plastic case with pressure-resistant lens. Watertight dial. Self-charging luminous dial, plastic wrist strap. Price, $7.95.

MISCELLANEOUS

ACE RUBBER PRODS., INC.
AKRON, OHIO



WHITE KLEEN SWEEP MATTING
Rubber matting is easily cleaned, gives quiet footing, protects the surface. For indoor and marine use.

AMERICAN HARD RUBBER CO.
200 E. 42 ST., NEW YORK 17, N. Y.

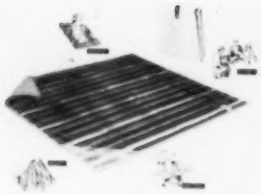
ACE WASHDOWN HOSE
Reinforced with nylon tire-cord. Resistant to sun, oil and bilge grease. Vinyl construction, folds for storage. Price, 50 ft. length, $6.98.

ANTON CO.
15 BRIDGE ST., NEW YORK 4, N. Y.

METAL POLISH
"Met-All" metal polish restores aluminum after it has been exposed to dirt, oxidation and water stains. Polish is also effective on copper, brass, chrome, silver and pewter. Available in 2 lb. cans.

BLANKETS, INC.
60 E. 25TH ST., CHICAGO 16, ILL.

ALL-PURPOSE BLANKET
"6-In-1" blanket is plastic on reverse side, waterproof, folds for carrying. Has plastic pocket which can be used as storm



hood. 60"x50". Priced from $4.95 to $7.95.

JAMES BLISS & CO.
342 ATLANTIC AVE.,
BOSTON 10, MASS.

ROOSTER TAIL

Stainless steel and aluminum accessory that mounts on bottom rear of boat and produces high water spray into the air. Spray height and angle adjusted from "full" to "off" by thumbscrew control. Price, $9.95 pair.

BOAT NAMES CO.
426 W. 5TH ST., KANSAS CITY, MO.

BOATING MEDALLIONS

Two chrome plated 3½" dia. medallions for mounting on

dash or bulkhead. Price, $4.95 each.

BURROUGHS MFG. CORP.
MARINE PRODUCTS DIV.
3550 TYBURN ST.,
LOS ANGELES 65, CALIF.

TEETER TUMBLER SET

Set consists of spill-proof tray with special swivel mounts to keep tumblers upright, and six 12-oz. shatterproof tumblers decorated with drawings of famous old ships. Price, $5.95.

CAMBRIDGE RUBBER CO.
CAMBRIDGE, MASS.

FOOTWEAR

Men's "Kleets" of elk tanned leather, soft and strong. Nylon stitching throughout. Water, scratch, and slip resistant. Price, $9.95. Family "Kleets" of nylon sailcloth also available, price, $6.95.

CAMPBELL MFG. CO., INC.
1345 PLOWMAN AVE.,
DALLAS 3, TEXAS

LADIES' BEACH-N-BOAT BAG

For outings and overnight use. Easy to clean, moisture and wear resistant. Red with black and white trim. Price, $3.95 plus 10% fed tax.

CARLSON PRODS. CO.
BOX 141, CINCINNATI 11, OHIO

THINGAMAJUG

Device to mount water jug for safety and convenience. Clip and cradle of 18 gauge steel, chrome plated; strap of black heavy cotton. Price, $2.95 each.

CASTLE MFG. CO.
1701 GLENWOOD, FLINT, MICH.

SELF PROPELLED SCAFFOLDING

Ideal for boat maintenance work. Platform height is adjustable for reaching up to 12'. Moves by means of crank action; steering, forward-reverse gears, and safety brake included. Ball-bearing wheels; thick tire tread. Price approximately $150.

CROW'S NEST
16 E. 40TH ST., NEW YORK 16, N. Y.

MARINE ACCESSORIES

Line includes variety of aids for boating use such as navigation equipment, cabin equipment, charts and government publications and many other accessories. Catalog available

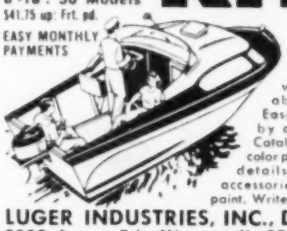
DESIGN PRODUCTS, INC.
1177 CENTRAL AVE., SARASOTA, FLA.

BOSUN'S BAR

Drink holder takes standard size glasses, beer cans and soft

BOAT KITS

8'-18': 50 Models
$41.75 up: Frt. pd.
EASY MONTHLY PAYMENTS



FREE COLOR CATALOG
Cruisers, convertibles, runabouts, fishing. Easily assembled by anyone. FREE Catalog has natural color photos, complete details, Fiberglas, accessories, hardware, paint. Write Today.

LUGER INDUSTRIES, INC., Dept. AD-2
9200 Access Rd., Minneapolis 20, Minnesota

New WESBAR STURDIRACK

Car-Top
UTILITY CARRIER – Heavy Duty, for boats, canoes, surfboards, pipe, lumber, etc. Easy to attach. No permanent fastenings. At leading dealers.

WESBAR STAMPING CORP. Dept. PB 258 West Bend, Wis.

THE MINNOW

35 lb. Fiberglas Canoe. Mahogany decks and gunwales. Unsinkable. Seats 2. LOW COST. Complete or molded hull kits. Ideal for hunting, fun, or fishing. FREE folder.

E. GITT P. O. Box 182
Springfield, Del. Co., Pa.

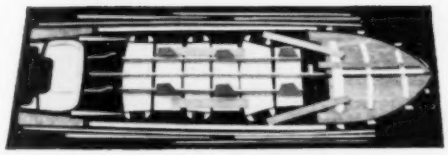
MAHONE SPORT KITS

make dream boats come true

YOUR CHOICE OF 4 MODELS AT REALLY LOW PRICES

THE ANGLER — L.O.A. 11'
THE COCKER — L.O.A. 12' 9"
THE HUSTLER — L.O.A. 14' 9"
THE PACER — L.O.A. 15'

So easy to assemble. Each kit supplies you with a completely prefabricated Industrial Molded Hull of laminated veneer, 4 or 5 ply construction. Everything else you need to make a beautiful boat of it comes with it, all precision pre-cut. Complete, step-by-step, illustrated instruction sheet with each kit.



For complete information and prices, write to:

INDUSTRIAL SHIPPING CO., LTD.
MAHONE BAY, NOVA SCOTIA, CANADA
WE BUILD THE PACESHIPS

Distributor Franchises Open

drink bottles and prevents tipping and spilling. Unit is of anodized aluminum. Price, $2.95; chrome-plated, $3.95.

DISPOSA-WARE CORP.
811 N. 19th ST.
PHILADELPHIA 30, PA.

DOB FRYING PAN

Throw-away frying pan fits inside steel and chrome holder, and will hold up to 10 lbs. Holder is 10" x 16", disposable pan is 10" x 1½" deep. Prices: holder, $3.50 with 8 refills; Extra refills, $1.80 for 20.

EAST COAST SOAP CORP.
89 COFFEY ST.
BROOKLYN 31, N. Y.

"FAN" HAND CLEANER

Waterless hand cleaner removes grease, grime, tar, paint, ink, putty, etc., and contains lanolin and actamer. Price, 98¢.

EUREKA TENT & AWNING CO., INC.
35-45 STATE ST.
BINGHAMTON, N. Y.

CODE BAGS

For boat or beach use in two sizes and three types. Code flags are appliqued on the sides for colorful decoration. Price, $5.95 to $6.95.

FREEZER CLOTHING SALES CO.
11212 GRANDVIEW AVE.
SILVER SPRING, MD.

FREEZER WEAR

Foam-insulated garments protect to −30° weather, with line including coveralls, suits, caps, shop coats, merchandise blankets, aprons, jackets, trousers, shoes, mittens and gloves.

THE FULTON SUPPLY CO., INC.
23 FULTON ST.
NEW YORK 38, N. Y.

OILSKINS

Lightweight, polyvinyl oilskins, standup, corduroy collar on coat. Ventilated armpits, made of long staple cotton, polyvinyl covered and impregnated inside. Color, high visibility yellow. Prices, overalls $11; jacket $11; sou'wester $3.

GENERAL SCIENTIFIC EQUIPMENT CORP.
P.O. BOX 3038
PHILADELPHIA 50, PA.

FIRST AID KITS

Kits have facsimile index on the inside of the box to aid in locating quickly items needed for emergency first aid. All items are unit-wrapped in 20-gauge steel case. Standard or "custom" assortments of first aid items are available.

B. F. GOODRICH FOOTWEAR & FLOORING CO.
WATERTOWN, MASS.

YACHT SHOE

Features anti-skid sole for wet surfaces, "P-F" wedge, and ventilation.

HAZARD HYDROFOIL, INC.
5440 E. BEVERLY BLVD.
LOS ANGELES 22, CALIF.

OUTBOARD HYDROFOIL CONVERSION KIT

Hydrofoil conversion kit is ready to bolt on to convert any outboard hull in the 12' to 16' size to good hydrofoiling operstability of boat. Foils retract for beaching or trailering.

R. W. HOBBS
4013 AURORA ST.
CORAL GABLES, FLA.

"HOBBS-HEAD" WOOD SCREW

Wood screw has special features designed to resist head and moisture penetration, loosening and wood splitting.

MARINE DIVISION
HOUSE OF FANTASY
11820 EDGEWATER DR.
LAKEWOOD 7, OHIO

MARINE ACCESSORIES

Line includes giant-sized ditty bag, flags, burgees, place mats, Sam Pan hats, pillows, hats, belts, finger dips, guest towels, a "grog" locker and a sea chest.

HOWE & BAINBRIDGE, INC.
BOSTON, MASS.

NYLON ZIPPER

All-nylon zipper will not corrode, is unaffected by extreme cold and heat, and is complete self-lubricating.

HUSSEY MFG. CO.
N. BERWICK, ME.

POLY-FOAM FLOAT

Made of light, buoyant, flexible Styrofoam that will not corrode, rust, rot, mold, or de-

teriorate. Temperature resistant, will not sustain marine life or other pests. Available in 2 tone blue, aqua and maroon, completely water-ready or as kit. Price, 6' x 10' assembled float section (sections easily joined), $264. 6' x 10' float section kit, $238.

JACKS LAMP CO.
306 HARVARD ST.
BROOKLINE, MASS.

Plastic; in white, decorated with 3 colors. Other nautical accessories also available. Price of bucket, $14.95.

PAAR OF ARIZONA
1806 W. CAMELBACK RD.
PHOENIX, ARIZ.

CHOP TOP TRUNKS

Feature low waist, side zipper, elastic back. Variety of colors including red or blue check. Sizes from juniors thru large men's sizes. Price, $4.95 postpaid.

RANDOLPH SHOE CO., INC.
32 SOUTH MAIN ST.
RANDOLPH, MASS.

RANDY BOATSHU

Boat shoe has perimeter traction action to grip the deck, and is available in various colors, styles and sizes for men, women and children. Price: $5.95 and $8.95.

THE SEA CHEST
1620 MOUNT ROYAL AVE.,
BALTIMORE 17, MD.

GIFTS AND ACCESSORIES

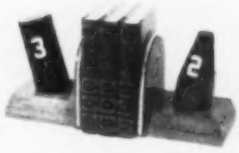
Items available include Cap'n Stow-way folding mahogany table, tableware, night light, transistor radio phone, position finding instruments, clock and barometer, compass, chart reader, divider, sea ties, towel rack, and devil level.

SCOPE INSTRUMENT CORP.
SCOPE BLDG.
MAMARONECK, N. Y.

BAR-NOCULAR

This unique instrument has a 7x35 prism monocular on one side and a 2-ounce flask on the other for beverages. Supplied with black genuine leather case. Price, $60.

SEACRAFT
WEYMOUTH 88, MASS.



CHANNEL BUOY BOOK ENDS

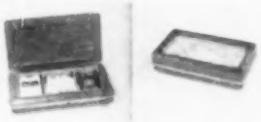
Red or black on weighted solid mahogany base, nylon rope trim. Price, $25 pair.

CHANNEL BUOY LAMPS

Red or black on solid mahogany base. Brass fittings, nylon rope trim. Height 20". Price each, $25.

BLOCK & TACKLE LAMPS

Solid African mahogany lamps, tackle and nylon rope dressed. Linen shade. 23" height. Price, single block, $40; double block, $47.50.



MAHOGANY CIGARET BOX

Mahogany chest is piano hinged, accommodates regular and king sized cigarets and has owner's choice of cruising chart framed in lid under Lucite. Price, $25.

SUNBEATER MFG. CO.
415 S. LAMAR ST.
DALLAS 2, TEXAS

HEADWEAR

"Paris Sunbeater" headwear in assorted styles for various boating and land uses.

M. L. SNYDER & SONS, INC.
JASPER & YORK STS.
PHILADELPHIA 25, PA.

YACHTSMAN'S SUIT

Lightweight suit made of cot-

ton sheeting single-coated with butyl rubber. Available in jackets and pants, and also coats of various lengths with and without hoods.

TRANSMAR, INC.
161 E. ERIE ST.
CHICAGO 11, ILL.

TRANSMAR HEAVY-WEATHER SUIT

Cloth suit is coated with polyvinyl-chloride after sewing to make it watertight. Features hooded smock with three pockets, and elastic wrist bands. Prices: $39.95 for men; $34.50 for women.

N. A. TAYLOR CO.
GLOVERSVILLE, N. Y.

CIGARETTE LIGHTER

Windproof, automatic cigarette lighter. Complete with dashboard mounting plate and insulated heating chamber. Available in 6 or 12 volts for any boat. Price, $14.50.

TYER RUBBER CO.
ANDOVER, MASS.

CHEST WADER

Boot feet; chevron cleated outsoles; body is rubber coated both sides; chest height with pocket at chest band; pressure vulcanized. Price, $22.95.

MEN'S AND WOMEN'S FOOTWEAR

Neoprene impregnated soles; nylon thread stitched; cushion insole; rustproof eyelets. Men's Oxford, $9.95; Women's Oxford, $8.95; Men's Wading Shoe, $12.95. Men's streamline

lightweight fishing boot has adjustable inside leg harness, $22.95.

VAN KARNER ENTERPRISES, CORP.
P.O. BOX 426
PORT JERVIS, N. Y.

VEREY PISTOL

Coast Guard approved signal for day and night use. Available: Smoke signal with bright orange smoke, Sea marker with 24-hour duration, Star rockets, Flares.

W. H. WATT
RADNOR, PENNA.

FLOAT-A-KEY

Floating key ring has Styron plastic float bubble, rustproof chain and waterproof identification tag.

TOOLS

AMPCO METAL, INC.
1745 S. 38 ST.
MILWAUKEE 46, WIS.

MARINE TOOL KIT

Rust and corrosion resistant, salt, acid, and water resistant

tools of nonferrous alloys. Nonsparking, anti-magnetic; may be used near explosive gases, liquids, or vapors. Available in 8 varieties from $5.90, complete in moisture-proof plastic containers. Pictured is "Tuna" kit, price, $38.50. Deluxe cases also available from $75.

CHARLES MACHINE CO.
P.O. BOX 63
SPRINGFIELD, N. J.

CONTOUR SCRIBER

Metal construction contour scriber is used to mark linoleum, etc., for cutting.

W. L. FULLER
1165 WARWICK AVE.
WARWICK, R. I.

PLUG CUTTERS

Plug cutters, countersinks, counterbores and drills.

FUNCTIONAL PRODS., INC.
1460 E. RIVER RD.
SOUTH AURORA, ILL.

"TUNCO" TOOLS

Line includes hand sander,

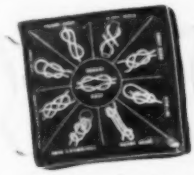
it's fun to play the Ta-pat-co way!

Safety—Comfort—Carefree pleasure . . . You have them all when you "cast off" with Ta-Pat-Co marine safety and sports afloat products. Nothing adds so much to boating fun as knowing that all "hands" are well equipped with the finest life jackets, boat cushions, water skis and other marine accessories that money can buy.

When you play on water, play safe with Ta-Pat-Co . . . You can't buy better to save your life. Look for Ta-Pat-Co in leading stores everywhere.

U. S. Coast Guard approved motor boat vests for adults and children. Available in stripes, plaids or solid colors.

A complete line of boating caps in "Yacht" and "Admiral" styles. Colors and sizes to please most everyone.



U. S. Coast Guard approved buoyant cushions. Available in a wide range of styles and sizes, plain or designed.

Water ski belts and vests for everyone in a variety of colors, sizes and filled with plastic foam or kapok.

Ski tow ropes in polyethylene and manila. Single and double aluminum or wood handles.

Water skis made of seven-ply wood laminated full length. Conventional and slalom types for inboards and outboards.

OTHER TAPATCO PRODUCTS
Boat Fenders
Ring Buoys
Life Floats
Marine Sportswear
Motor Covers
Custom-made Cushions
Sleeping Bags
Hunting & Fishing Clothes
Tents

THE AMERICAN PAD & TEXTILE CO.
GREENFIELD, OHIO
New Orleans, La. • Fairfield, Calif. • Trenton, N. J.
In Canada: Tapatco, Ltd., Magog, Quebec

Tapatco.. "You can't buy better . . . to save your life"

Write for New 1959 24-Page Catalog!

wood rasp or file, contour rasp or file, abrasive saw and abrasive saw and sanding discs, all incorporating use of crushed, sintered tungsten carbide. Saws can be used with either power hand tools or on conventional table stands.

GARDNER-DENVER CO.
QUINCY, ILL.

AIR TOOLS

Keller air tools designed for drilling or assembly operations in close quarters includes angle drills, nut setters and screw drivers. Tools range in weight from 2¼ to 3⅜ lbs., feature sturdy construction, ball bearings, Zerol bevel gears, splined drives. Tools available in five sizes with speeds ranging from 3200 rpm to 450 rpm.

JIFFY PRODUCTS CO.
31 S. MICHIGAN AVE.
PASADENA, CALIF.

JIFFY FILE

Used for refinishing. Uses all grades of abrasive. Designed for fiberglass, plastic, wood, aluminum, lead, steel. Price, $3.98.

MITERITE, INC.
CAMPBELL, CALIF.

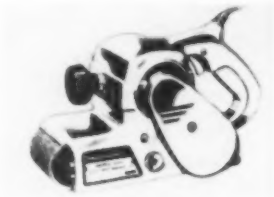
MITERITE CALCULATOR

Automatically calculates correct angle for complex construction work. Accurate to ¼ degree of arc, makes cutting of compound angle a simple operation with table or radial arm power saw.

PORTER-CABLE MACHINE CO.
700 MARCELLUS ST.
SYRACUSE 4, N. Y.

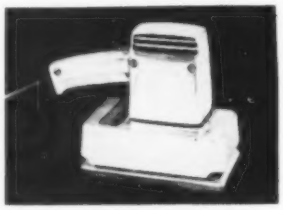
ELECTRIC PAINT REMOVER

Portable electric tool can be used for paint removal, floor edging, boat and deck sanding and concrete surfacing, and is effective on wood, plastic and composition materials. Tool has tungsten carbide discs and is powered by a heavy duty 3.5 amp Universal motor. Features include sealed precision ball bearings and helical gear drive. Price, $69.95.



MODEL 165 ABRASIVE-BELT SANDER

Portable abrasive-belt sander has Universal motor with self-lubricating ball bearings and can sand 600 surface-feet-per-minute. Features include interchangeable belts for coarse to fine sanding, and woodworking and metalworking abrasives. Drive mechanism requires no lubrication.



MODEL 145 FINISHING SANDER

Finishing sander uses orbital motion and features universal motor; covers large areas for coarse, medium and fine finishing and can be used close to corners and in other cramped spaces. Housing is of die-cast, polished aluminum, with control switch on top of the handle.

RED DEVIL TOOLS
BOX 355, UNION, N. J.

STEEL SANDPAPER

9"-wide Dragon-Skin steel sandpaper can be used on hard and soft woods, plaster, plastics and soft metals. New width, designed especially for industrial users, is now available in rolls up to 1600' in length.

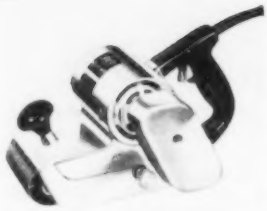
SKIL CORP.
5033 ELSTON AVE.
CHICAGO 30, ILL.

MODEL 569 ⅜" POWER DRILL

Drill has 2½ amp motor to produce 1,000 rpm free speed, with ⅜" capacity in steel, ¾" capacity in wood. Drill weighs 4¼ lbs., and features geared chuck, spur gears, removable side handle, self-adjusting brushes and aluminum housing. Price, $36.95.

MODEL 405 BELT SANDER

Belt sander has high and low



speeds, for rough and fine jobs, and 4" sanding belt with simple belt-changing device. Unit sands flush to upright surfaces. Price, $89.50.

WETZLER CLAMP CO., INC.
43-15 11th St.
LONG ISLAND CITY 1, N. Y.

BAND CLAMPS

Band tightens around any object to be held for gluing, welding or other fastening operations, and has positive locking device to maintain even pressure. Other tools available include handscrews, clampettes, pipe clamp fixtures, universal clamps, spring clamps, bar clamps, piling clamps, quick-action clamps, cross clamps, "C" clamps, drill press clamps, "Swing-wel" welders' clamps, deep throat clamps, heavy duty clamps, shipward clamps, sectional gluing presses, veneer press frames and press screws.

ARROW METAL PRODS. CO.
421 W. 203 ST.
NEW YORK 34, N. Y.

ARCO ANGLE-BUFFER

Slips into any electric drill chuck, swivels at any angle. Doubles drill speed for sanding, reduces drill speed for buffing. Price, including attachments and instructions, $6.50.

MILLERS FALLS CO.
GREENFIELD, MASS.

Hand and power sanders, drills, shapers, etc.

FIBERGLASS & PLASTIC PRODUCTS

Atlas Plastics, Inc., 681 Seneca St., Buffalo 10, N. Y. Fiberglass kits for boat covering, in polyester resin and Epoxy resins.

EverShield Products, Inc., Joppa, Md. Pre-measured, do-it-yourself "Fiberglass Boat Kit," two types, with different fiberglass fabrics. One kit contains EverShield Super-Cloth for laminating all strip or plank surfaces; the other contains EverShield Perma-Kote for plywood laminations.

Fibre Glass-Evercoat Co., Inc., Blue Ash & Kugler Mill Rds., Cincinnati, Ohio. Fibreglass formula 27, Polyester putty; epoxy paint, 5 colors & black; promoter "A", fast cure agent; everstrip paint and varnish remover.

Flightex Fabrics Inc., 93 Worth St., New York 13. New split glass cloth tapes, available in widths up to 12", are intended for use where added structural strength is needed, and is finished for compatibility with all present molding resins. It allows maximum wetting-out with resins and insures a void-free laminate under closely controlled tolerances.

Glass Plastics Corp., 1605 W. Elizabeth Ave., Linden, N. J. Blu-Sheen Fiberglas cloth; Boat-Armor Super Resins, Titan-Tite Epoxy Resins; Titan-Tite Epoxy Paste; Fiberglas repair kits for Fiberglas, wood and aluminum boats.

Houghton Laboratories, Inc., Olean, N. Y. Hysol "Epoxi Patch" repair kits packaged in two flexible tubes with correct proportions of base and hardener. For repair of metal, wood, fabric and plastic hulls.

Neehi Protective Coatings, Inc., 340 W. Hoffman Ave., Lindenhurst, N. Y. Neehi fiberglass cloth, plastic boat resins, plastic epoxy resins, colors and additives for boat resins and fiberglass patching and repair kits.

Protective Coatings, Inc., 807 N. Fremont St., Tampa, Fla. Froco Anti-Fouling coating, Proco Super Anti-Fouling coating, Proco colored Epoxy coating, Transylmarine "Vinyl-Hyde" fiberglass and vinyl boat coating kit, Transylmarine "Liqid Tile" epoxy coating, Transylmarine Liquid Neoprene and thinner and Cardoglas. Also all forms of Epoxy marine coatings and adhesives.

Schramm Fiberglass Products, Inc., 3010-12 W. Montrose Ave., Chicago 18, Ill. Plastishel fiberglass covering kits, polyester resins, Fybrglas repair kits and epoxy resins and adhesives, Bondzall polyester filler and solder, and Twinweld epoxy adhesive, filler and solder.

Wasco Products, Inc., Bay State Road, Cambridge 38, Mass. Material for waterproofing decks and hulls below water line. Abrasive resistant. May be painted over. Available in varying weights and rolls up to 25 yards. Also available: custom acrylic boat windshields.

PAINTS, SEALERS, GLUES, PRESERVATIVES & CLEANERS

Albichrome Products, 92 Brookline Ave., Boston 15, Mass. Chrome plated liquid for rusted and corroded chrome surfaces; provides its own mild chemical heat for plating the surface; non-toxic.

Alroy Process Corp., 333 Hudson St., New York 13, N. Y. AR-707 no-cotton caulking, AR-711 Epoxy marine coating

in 8 colors plus clear; AR-703 Epoxy marine glue, plywood and fiberglass repair material, and plywood protector in four colors.

Baltimore Copper Paint Co., 501 Key Hwy., Baltimore 30, Md. Luders Epoxy Bronze Compound, a new racing bottom coating; Regatta Silicone Polish; Stock Boat Colors; Regatta Non-Skid Compound, and Production-Line finishes.

George A. Barker Engineering Co., 4717 Yuma St., N.W., Washington 16, D. C. "Storize" rust inhibitor for combustion area of gasoline engines during storage.

Borden Company, 350 Madison Ave., New York, N. Y. "Elmer's" waterproof glue for boatbuilding applications. Called "Cascophen" in industrial quantities.

Howard F. Borroto, 1245 Van Buren St., Hollywood, Fla. Kno-Rust anti-corrosive compound.

Carpenter-Morton Co., 376 Third St., Everett, Mass. Carmote Master Marine Finishes including Yacht White in gloss, semi-gloss, eggshell-flat and undercoat; deck and hull paint, marine primers, antifouling bottom paint, general purpose varnish and spar varnish.

M. L. Condon Co., Inc., 250 Ferris Ave., White Plains, N. Y. Protective plastic finishes for boats "Boatlife" and bottoms "Boat Vinylife."

Cuprinol Division, Darworth, Inc., Simsbury, Conn. Cuprinol marine products, including Sav-it waterproofer and mildew-preventive, rope preservatives, Odor Free and Grease Off.

Dakoline Chemical Co., Inc., 357 Atlantic Ave., Brooklyn, N. Y. Aquatex Plastic Polish for use on soft plastics as well as glass, tile, porcelain and aluminum.

Dolphin Paint & Varnish Co., Toledo 3, O. Dolfinite spray enamels, lacquers and hull varnishes, cleaners, paint and varnish removers, enamels and lacquers for outboard motors and trailers to match original equipment colors.

Dunn-Rainey Co., 4461 W. Jefferson Ave., Detroit 9, Mich. "Admiral" marine seam compound.

E. I. DuPont de Nemours & Co., Wilmington, Del. "Ultra V Spar Varnish" for pleasure-craft woodwork. Contains an invisible ultra-violet light absorber that minimizes deterioration. Will not darken the wood. In wide range of colors. L. W. Ferdinand & Co., Inc. 2300 Washington St., Newton Lower Falls 62, Mass. Polyseamseal, caulking compound, Ferdiseal, liquid marine sealer, Ferdico Canvas Cement, Ferdico XX Marine Glue for double planking, Ferdico Bedding Compound, Seamseal for deck and hull seams and Dentpak for filling gouges. Also Marine Brand gasket cement and Jeffery's Marine Ship Glue.

Guest Products Corp., 3504 30 St., Long Island City, N. Y. Guest Bilge Pak, a chemical placed in the bilge to retard dry rot. Guest Bilge Kleen, a safe powerful bilge cleaner. Guest Bristol Brite, a chrome and brass polish. Guest Rustopper, in powder form to retard oxidation. Guest Quik Heet, a liquid fuel for alcohol stoves.

Henderson & Johnson, Inc., Gloucester, Mass., distributors of Tarr & Wonson, Ltd., products. Gloucester Sea Jacket marine finishes, white epoxy enamel, varnish, epoxy thinner, spar varnish, hard finish racing bottom enamels, hull, deck and topside finishes and non-skid safety paints.

International Paint Co., Inc., 21 West St., New York 6, N. Y. Non-reflective pastel interior enamels, transom varnishes, bottom paints and no-skid compounds.

E. & F. King & Co., Inc., Norwood, Mass. Permodip wood preservative, Marblehead Anti-Fouling bottom composition, and Grain Tame, plywood sealer-surfacer.

Krylon, Inc., 18 W. Airy St., Norristown, Pa. High-Gloss and Satin-Finish All-Purpose varnish sprays, battery terminal coating protector spray, Rust Release oil and solvent spray.

H. B. Fred Kuhls, 3rd Ave. and 65th St., Brooklyn 20, N. Y. Elastic seam compositions, glues, cements, and preservatives, and Woodtex wood plastic and Woodtex surfacer.

Landon Products, Inc., P. O. Box 3232, El Monte, Calif. "El Pico" bilge cleaner, paint remover, magnetic tack rags, screen cleaner, brush cleaner, sandeze (eliminates sandpapering), salt and fresh water marine cleaner.

Marine Division Headquarters, Andrew Brown Co., P. O. Box 22066, Los Angeles 22, Calif. Z-Spar Marine Finishes, Z-Spar #1000 Supreme Varnish, P-32 Vinyl-Cop, Z-Spar "Painting Systems," Brolite Z-Spar Supreme Enamels, stains, fillers and glazing putties.

Marine Products, Inc., 783 Pearl Ave., Oshkosh, Wis. Marprox Rubber Cement, Sealer 800 and Sealer 900, Lakerfill Plastic Putty and Surfacer, Sealers 700 and 1000, Metal Mastic and Sealer Solvent.

John W. Masury & Son, Inc., 1700 Bayard St., Baltimore 30, Md. Swedish marine paints, enamels, varnishes, primers, removers.

NEW

The perfect portable car top boat. Hull weight only 75 lbs. No Trailer needed. Colorful, tough, carefree fiber glass construction. Floatation built 'n—will not sink.

$399.50
Complete with Sail

FUN FOR THE WHOLE FAMILY

SAILING IS FUN

No operating cost—Virtually no maintenance cost. The sailing boom has started, so don't wait. Join the national DOLPHIN sailing fleet. See your dealer or write direct.

Manufactured only by
PLASTINETTE PRODUCTS CORP. P.O. Box 9032, Austin 17, Texas

Metallic Coatings Corp., 919 N. Michigan Ave., Chicago 11, Ill. Coperoyd anti-fouling racing bottom coating, Coperit anti-fouling bottom coating and other metallic coating products.

Minit Spray Corp., 9 S. Fairview Ave., Box 367, Park Ridge, Ill. Bos'n marine finishes, and Spraint marine finishes.

Minnesota Paints, Inc., Minneapolis, Minn. Marine finishes, fiberglass boat primer, aluminum boat wash primer, copper bronze for boat bottoms, marine spar varnish for natural woodwork, hunting boat colors.

National Casein Co., 601-619 W. 80th St., Chicago 20, Ill.; Tyler, Tex.; and Riverton, N. J. DR powered resin glue and R3 Resorcinol resin glue.

Nemes Furniture Co., 2631 Lehmann Ct., Chicago 14, Ill. No-Mar, a clear finish coating.

Illinois Bronze Powder Co., Chicago, Ill. Illbronze varnish spray satin-flat and high gloss finishes.

Preservative Paint Co., 5400-5410 Airport Way, Seattle 8, Wash. Paints, enamels, primers, varnishes, boottopping, cuprus preservative, filler, skid-stop and bottom finishes.

Protection Products Manufacturing Co., 2305 Superior Ave., Kalamazoo, Mich. Marine Type Woodlife and Stormy Weather.

Sav-Cote Chemical Laboratories, P. O. Box 212, Alexandria, Va. All purpose plastic finish which resists rust, salt and acid oxidation, sun effect, etc. Waterproof, leakproof, elastic and flexible. One gallon covers up to 200 sq. feet with two coats. For wood, metal, canvas, plastic, leather, etc. In colors or clear. Price, quart $3.95; gallon $14.50.

Stay-Tite Products Co., Inc., Cleveland 4, Ohio. Neoprene Stay-Tite All Seal, Neoprene Stay-Tite Neoprene caulking compound and Stay-Tite FAS patcher.

Sudbury Laboratory, Sudbury, Mass. Bright-work finish, brush cleaner, fibreglass primer, 365 Bottom Paint, Galva-coat, liquid Aqua-clear, Aqua-Clear crystals, crystal kleener, water stripper, raw water strainer, Sav-A-Tank cartridge, Hi-Heet fuel, bilge cleaner, boat-zoap, Aqua-shed, Barfair 77, Kleen-combustion, Free-it, and water jacket cleaner.

Tarp-Seal Adhesives, 2555 Boston Post Rd., New York 67, N. Y. Tarp-Seal Neoprene Rubber Mastic Adhesive Sealer.

Travaco Laboratories, 233 Condor St., East Boston 28, Mass. Marine-Tex self-hardening plastic metal for repairs.

United States Plywood Corp., 55 W. 44th St., New York 36, N. Y. Royal Marine Weldwood, and Weldwood waterproof resorcinol glue.

Valspar Corp., 7 E. Lancaster Ave., Ardmore, Pa. Full line of paints, varnishes, enamels, etc., for all boating needs.

Wilhold Products Co., Division of Acorn Adhesives Co., Inc., 678 Clover St., Los Angeles 31, Calif. Wilhold Plastic Resin Glue and Plastic Resin Modifier.

C. A. Woolsey Paint & Color Co., Inc., 205 E. 42nd St., New York 17, N. Y. Nauticolor tolorant system, Cawlux Marine finishes, self-spraying lacquer enamel for outboard motors and accessories, and vinyl plastic surfacer.

Yale Engineering Co., 900 N. Franklin St., Chicago, Ill. Chrome refinishing kit with "Magichrome" cleaner and "Magichrome" powdered metal.

NEW ANNOUNCEMENTS

OUTBOARD

ALBRIGHT BOAT & MARINE CO.
BOX 3745, CHARLOTTE, N. C.

A complete line of wholesome outboard motor boats designed for multiple utility service. Shown above, is the Falcon 17'3" runabout with windshield and Navy top. Available in several price ranges. Catalogue from the makers.

AMERICAN BOATBUILDING CORP., BEETLE BOAT DIV.
E. GREENWICH, R. I.

BB 21 CUDDY CABIN MODEL

21'x8'2" fiberglass cruiser, takes twin 30 or twin 40 HP motors, top speed 20 mph. Sleeps 2. Self-bailing cockpit, head, motor well. Cabin 7'x6'3", headroom 5'. Twin 6'3" bunks. Price, including lights, hardware, battery and battery box, $4,950. Accessory: canvas canopy, $150. Full cabin model sleeps four, $5,950.

BB 21 OPEN BASS BOAT

21'x8'2"x14" runabout. Weight, 1,700 lbs., takes twin 30 or twin 40 HP motors, top speed 25 mph. Capacity 4-8 passengers. Freeboard 3'6". Price, including lights, hardware, battery and battery box, motor well, $4,295. Accessory: canvas canopy, $150.

BB FLYER

12'3"x56½" fiberglass runabout. Weight, 255 lbs. Takes motors 5 to 16 HP. Top speed 20 mph. Features 6 passenger quarter seats, one towing grommet, 2 stern grommets, oarlocks, and stainless steel outboard bracket.

MFR., American Boatbuilding Corp., Beetle Boat Div., E. Greenwich, R. I.

BB BAITCASTER

13'7"x6'2" fiberglass runabout, weight 480 lb. Takes motors 10 to 40 HP, top speed 35 mph. Carries 7 passengers, Solid floorboards throughout. Walk through back seat, watertight storage compartments, glove compartments, cross seat forward, 2 stern quarter seats. Price, including wraparound plexiglass windshield, $865. Accessories available: steering wheel with pulleys, lines, and tighteners, $45; lift handles, $12 pair; styrofoam flotation, $11.

ANCHORAGE, INC.
57 MILLER ST., WARREN, R. I.

16' GLAMOUR GIRL

15'9"x5'10"x14". Utility carries 5 to 6 and features extreme flare at bow with narrow entrance, flat stern with protecting skeg, and is lightweight for trailer transportation and yacht tender service. Can be used with either single or twin outboard installations.

20' UTILITY

19'11"x7'3"x20" utility, features extreme flare at bow with narrow entrance. Designed as a fishing boat or a sport runabout with speed for water skiing. Carries 6 to 8. Can be used with either single or twin outboard installations.

BLUE FINN BOATS, INC.
229 WEST 66TH ST., NEW YORK 23, N. Y.

BONITO

17' open skiff of lapstrake mahogany construction, built in Europe. Weight 775 lbs., seats 6, for motors up to 60 HP, $1,195. Other models, 18' BAHAMA and 21' BARRACUDA with or without hard-top, seats up to 8, power capacity to twin 70 HP. Prices from $1,295 to $2,195. Also inboard boats.

BRISTOL BOATS
ALLEN QUIMBY VENEER CO.
BINGHAM, ME.

BLUEFISH JR.

13'7"x5'2"x2' outboard boat seats 4, can deliver speeds to 25 mph with 15 HP outboard. Features include Vee bottom, full length bottom and side panels and spray rails, locker space and oak frame. Available in painted and unpainted, standard and bridge deck models. Prices: from $370 to $490.

BLUEFISH

15'11"x5'8"x2'8", outboard seats 8, can deliver speeds to 28 mph with 30 HP motor. Available with optional transom for long shaft motors, boat has full length bottom and side panels and spray rails, oak frame and mahogany and birch plywood and chrome hardware. Boat is offered in variety of stages, from kit to walk-through model with varnish trim. Prices: kit, $440; finished model, $700. Accessories are available. 19' model also available, $1,480.

CHAMPION BOATS
BOX 9155, LONG BEACH, CALIF.

SABER 16

16' runabout of mahogany construction, features back-to-back seats, vinyl upholstery, carpeted floorboards. Speeds up to 42 mph. Price, $1,208, plus $34 for optional engine well. Other models include the Twin Saber 16, a twin-hulled "mono-cat" runabout with 6' beam, for speeds up to 48.2 mph with a single outboard motor. Price, $1,425. Other models available plus racing boats from kits.

CUSTOM CRAFT MARINE CO.
1700 NIAGARA ST., BUFFALO 7, N. Y.

SEA RAY UTILITY

15' fiberglass boat for family use and fishing. Seats, storage space, motor-pad, bow ring, drain plug included. Price, $645. Accessories available. Other models in fiberglass, including runabout and ski model.

CORVET PB-48 OUTBOARD

17'x8'2" runabout, one of a new line of 17' to 22' cruisers and runabouts. All have fiber-

glass decks. Also available: other purpose boats starting from 8'. Catalog available for 25¢.

C. R. DILLABAUGH CO.
220 N.E. COLUMBIA BLVD.
PORTLAND 11, OREGON

ROCKET AND ELDORADO EXPRESS 16'

15'10"x79"x40" boat is available in 3 models, Rocket Deluxe, Rocket and Eldorado Express, which is intended for either inboard or outboard motor installation.

ROCKET 14'

13'4"x64"x30" boat is available in Rocket Deluxe and Rocket models, both capable of delivering speeds to 40 mph. Deluxe model features runabout seat forward and reversible seat aft, and split center deck.

G. FLANDERS, KELLER ENTERPRISES
PORT TRAVERTON, PA.

KELLER KRAFT POLLYWOG

12' x 48" x 16" boat weighs 125 lbs., has bow and deck handles and siphon drain plug.

KELLER KRAFT BASS

Boat is available as utility, 14' x 61" x 23", and as fishing model, 14' x 54" x 16". Hull is of 5/16" five-ply plywood and boat is equipped with bow and deck handles and siphon drain plug.

KELLER KRAFT PIKE

14' x 62" x 29" boat is available in deluxe and standard models, and has carrying capacity of 6 passengers. Features include 5/16" five-ply plywood, bow and deck handles, and siphon drain plugs.

GLASSCRAFT BOATS INC.
FORT DODGE, IOWA

IMPERIAL DAY CRUISER

17'8"x40" deep hull features "roll-back" fiberglass top, aft-deck area that seats 10 and can be converted into sleeping bunk. Sliding glass side windows and full aft-deck curtain are optional.

GLASSFLITE CO.
7326 LONG DR.
HOUSTON, TEXAS

GLASSFLITE 15

15'2" (16' gunwale length) x 70" x 37" freeboard; weight 500-lbs. Fiberglass runabout featuring upholstered front and back seats, steering, windshield, running lights and hardware. Other models from 10' to 17'.

GLASTEX CO.
6101 W. 147 ST.
TINLEY PARK, ILL.

16' SKI QUEEN

16' x 6'3" Fiberglass runabout designed for water skiing, featuring open cockpit aft and cross frame construction for added rigidity. Rated for motors from 10 to 50 HP. Fitted with safety glass windshield.

GULL FIBER-PLASTIC PRODS.
BOX 1412, HWY. 10 WEST
MISSOULA, MONTANA

ALBATROSS

18'2"x86"x49" depth amidships, runabout, all fiberglass construction, featuring glass windows, extruded aluminum framing around windshield, aluminum gunwale with rubber inset, full 60" motor mounting transom. Weight approx. 1,195 lbs.

SPRITE

16'3"x85"x43" depth amidships, runabout, all fiberglass construction, features inverted V bottom, back-to-back seating, other details similar to the *Albatross*.

ALGONAC
THE GREAT NAME IN BOAT EQUIPMENT

ELEGANT NEW EQUIPMENT

Again Algonac comes forward with fine quality Zamak Die Cast Hardware showing a daring departure from static marine designing. All new—all finer quality chrome plated with superb brilliance that remains bright for years.

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ALGONAC FOUNDRY COMPANY, INC.
9300 STONE STREET • ALGONAC, MICHIGAN

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—a sensational set of Running Lights, ready to install

This beautiful set of lights is just one of hundreds of wanted items in the 1959 Catalogs of Wilcox-Crittenden equipment. You can't afford to be without a copy.

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WILCOX-CRITTENDEN
Division, North & Judd Manufacturing Co.
15 SOUTH MAIN ST., MIDDLETOWN, CONN.

HANDS SHIPBUILDING
7207 E. McNICHOLS
DETROIT, MICH.

13' FIBERGLASS OUTBOARD

13' x 55" utility with 22½" hull depth, 175 lb. weight. Fiberglass construction. Three seats, styrofoam flotation, aluminum rails, breast hook and transom knees. Also available as runabout with forward deck, windshield, and other features. Takes 5 to 15 HP motors.

HOWARD BOAT MFG.
925 SOUTH ST.
WRENTHAM, MASS.

14' RUNABOUT

14'x64" Fiberglass runabout, weight 400 lbs. Equipment includes hardware, wheel, windshield, built-in flotation. Recommended for 35 HP motors. Price, $785; utility model $495.

LONE STAR BOAT CO.
BOX 698, GRAND PRAIRIE, TEXAS

CRUISE LINER

23' aluminum cruiser featuring close-spaced multi-rib construction, wide catwalks, and 6' x 8' cockpit aft. Accomodations include twin 2' x 7' bunks, storage space, ventilating portholes, enclosure (for head) with sliding door, sliding windows. Power-lift transom rated for 35 to 120 HP motors.

CATALINA

16' fiberglass cruisette has dual-motor transom for motors from 20 to 80 hp. Boat has 5' x 8' open aft cockpit. Hardtop, canopy and rear-facing stern seats are optional.

MALIBU

14' aluminum runabout featuring vinyl-upholstered automotive seating with step-through accessibility. "Panoramic" windshield. Rated for 18 to 40 HP motors.

MONTEREY

15' runabout with fiberglass hull. Features specially designed "Carefreedom" hull, "Dual-motor" transom (long or short shaft), rated from 18 to 40 HP. Automotive vinyl-upholstered seats.

LITTLE FISHERMAN

12' aluminum boat weighs 99 lbs., and is rated for use with 3 to 7½ hp motors. Features include "non-trip" chine, power-bar transom, Sur-foam flotation, bow step seat and stern gusset handles.

McCARTHY BOATS
ST. MIHIEL DR., RIVERSIDE, N. J.

SEA MAC BOATS

14', 16' and 20' outboard runabouts built of plywood on quartersawed Philippine mahogany. All seams laid in self-vulcanizing plastic compound. Glue joints: resorcinol waterproof resin. Fastenings: brass, bronze and monel. Available in Deluxe, Custom and Special models; hardtop and Navy top optional on 20-footer.

MOLDED FIBERGLASS BOAT CO.
55 4TH AVE., UNION CITY, PA.

MFG 15' SERIES

14'10"x68"x30½" outboard boat is available in 4 models and can be used with motors ranging from 15 to 50 HP. Features include molded fiberglass lapstrake hull with flotation, floorboards and rubber rub rails. Prices: Erie, $615; Celoron, $595; Cambridge, $575 and Union $545.

MFG 13' SERIES

12'8"x60½"x28" molded fiberglass boats have lapstrake hulls, and are available in 2 models, each for use with motors ranging from 5 to 30 HP. Features include flotation and floorboards. Prices: Corry Suburban, $395, and Corry Utility, $345.

NYLOX CORPORATION
ARCADIA, CALIF.

NYLOX ADVENTURER 15

14'10" (gunwale length), 66" (beam), 31" (depth-bow), 23" (depth-stern), 390 lbs. (approximate weight). Fiberglass construction, features: inner-spring upholstered seat with walk-thru back-rests, compound windshield and steering controls, self-bailing transom well.

PENN YAN BOATS INC.
PENN YAN, N. Y.

PENN YAN CLINKER-BUILT BOATS

Line includes Coquette, 13'2"x 68"x26" for motors to 40 HP; Niagara, 16'2"x70"x29" for motors to 50 HP; Baltic, 16'6"x 74"x34", for motors to 65 HP; Magellan, 18'x80"x36", for motors to 80 HP, and Allseas, 20'x95"x40" for motors to 100 HP.

DYNAMOLD BOATS

Available in 12', 14' and 16' models, boats have four flat-sheet sections of plywood coupled to two molded chines with special type annular bronze fastening in conjunction with Vulcanile bonding for one-piece hull effect. Boats have variety of deck and seating combinations.

RUSSELL BOATS INC.
BOX 758, SANDUSKY, OHIO

BLUE WATER 16

16' x 72" x 36" outboard cruiser sleeps 2, and is equipped to handle motors from 40 to 100 hp, averaging speed of approximately 38 mph, with a 60 hp engine. Features include foam rubber berth pads, pilot seat and folding top. Price: $1,575.

SID-CRAFT BOATS
PLAYER AVE. & RT. #1,
NEW BRUNSWICK, N. J.

RACING BOATS

Championship craft in ASH, BSH, JU, BU and DU competition in the 1958 A.P.B.A. Nationals. The JU is 9½'x46", 65 lbs., $310. AU is 11'x48", 108 lbs., $355. BU the same cost and measurement at 120 lbs. CU and DU are 13'x15" at $465, with the CU weighing 180 lbs., the DU 210 lbs. In the Hydro class, outstanding Sid-Crafts are the JSH at $375. ASH at 9'8"x62", 118 lbs. for $425 and BSH the same; CSH and DSH are 10'8"x68" at 155 lbs. for $485. All planking ribs, battens and transoms are of African mahogany. Steering wheel and safety throttle installed, $50.

SKEE-CRAFT BOAT CO.
INTERCOURSE, PA.

SKEE-CRAFT BOATS

A line of runabouts and cruisers for outboard motor power, models from 13'9" to 18'. The "18" Holiday Cabin Cruiser features galley, marine head, sink, f.w. tank, two permanent foam rubber berths, cabin lights, running lights and hardware, plus mahogany ship's wheel and steering controls. Priced under $2,000.

SLICK CRAFT BOAT CO.
791 WASHINGTON AVE.
HOLLAND, MICHIGAN

CAPITAN

17'x78"x40" cruiser seats 6, sleeps 2. Features include Naugahyde upholstery, panoramic windshield with side vents, walk-through seat arrangement and automotive steering wheel. Company also offers 17' plywood Sportsman, sleeping 2, two 16' runabouts with molded plywood hulls and two 16' molded fiberglass models.

SPACE CRAFT BOATS
DIV. C-B TOOL CO.
LANCASTER, PA.

SATURNA

19'5" x 79¾" fiberglass runabout. Transom height adjusts from 15" to 20". 41" bow depth, 32" stern depth. Takes to 100 HP. Price, including marine head, curved windshield, convertible top, upholstery, cushions, steering system, lights, horn, steps and step pads, locker storage, hardware, anchor: $2,600.

SPRING CRAFT BOATS
SPRINGFIELD, ORE.

SPRING CRAFT BOATS

Line of molytanium-hulled boats includes: Cartopper, 9' x 48" x 4", seating 3; Fisherman, 12' x 54" x 4", seats 6, takes 40 hp motor; Utility, Runabout and Deluxe, 14' x 78" x 7", seats 6; Utility, Runabout and Deluxe, 16' x 78" x 6", seats 8, and Runabout and Deluxe, 18' x 90" x 6", seats 8. Deluxe models have upholstered seats and additional hardware.

TEXAS BOAT MFG. CO.
LEWISVILLE, TEXAS

16' TEXAS MAID BAHAMA

16'x70". Weight, approx. 480 lbs. Has four back-to-back walk-through seats. Aluminum construction, chrome-plated hardware, Dow Styrofoam flotation. Takes up to 80 HP motor installations. Choice of four color trims on white with matching all-weather upholstery. Completely equipped. Price, $735.

14' TEXAS MAID STANDARD

14'x63". Aluminum fishing boat. Weight, 212 lbs. Takes motors up to 30 HP. Has Dow Styrofoam flotation. Price, $299.

14' TEXAS MAID OSPREY

14'x64". Weight, 320 lbs. Aluminum construction, chrome hardware. Choice of four color trims on white with matching all-weather upholstery. Takes up to 40 HP motor. Price, $595.

TOPPER BOAT CO.
5816 RITCHIE HWY., BALTIMORE, MD.

TOPPER BOATS

20'6" x 8' boat is designed for use with either single or twin outboards, and is available in three models, Outboard Utility, Hardtop Sportsman and Sedan Cruiser. Boat can achieve speeds to 30 mph. Sportsman and Cruiser models sleep 2. Various combinations of equipment are available. Prices: Utility, $1,248; Hardtop Sportsman, $1,848 and Sedan Cruiser, $2,495.

U. S. MOLDED SHAPES INC.
640 MARKET ST.,
GRAND RAPIDS, MICH.

SWAN

One of a line of molded plywood hulls with lapstrake-type "Ply-Lap" outer skin. "Swan" is available in 14' and 16' lengths, takes up to 50 HP. Other models from 9' dinghy to 24' cruiser also available, using the 5/16" 5-ply molded plywood hulls. Kits and blueprints also available. Further information on request.

WAGEMAKER CO.
566 MARKET ST., S.W.
GRAND RAPIDS, MICH.

WOLVERINE

Line of molded plywood, molded Ply-Lap, and panel plywood models includes car-toppers, utilities and runabouts. Lengths range from 12 feet through 14, 15, 16, 17 and 19-footers. Largest can be ordered with bunks, lockers and other weekender equipment. Line has high, plywood-framed windshields.

EMPIRE

Line of 14, 16, 18 and 20-foot fiberglass runabouts that feature clipper bow, lapstrake lines. 20-footer can be equipped with bunks and accessories for weekend cruising. Each size boat has single walk-through seat and large, flat-floored aft cockpit.

WEST COAST FIBERGLASS CO.
1595 NEWPORT BLVD.,
COSTA MESA, CALIF.

DOLPHIN

New 16' cabin cruiser with 91" beam, 86½" transom width, 53" cabin headroom. Two bunks, bunk pads, 21" wraparound windshield, steering wheel, lights, hardware, fiberglass cabin and coaming. Speeds to 29 mph with 50 HP motor. Price, $1,795. Also available: *14' Model "A"* family boat, with 69" beam and 64" transom. Forward hatch, 2 molded fiberglass seats, windshield, lights, hardware. Price, $695. Other models to $1,375.

MERCURY

THIS IS BUT ONE of our many able Fiberglas sailboats ranging from 8' Prams to the famous Atlantics.

When you carry sail, carry it in confidence on a Cape Cod Fiberglas boat, all of which are designed by America's top naval architects and built by long experienced craftsmen.

CAPE COD SHIPBUILDING CO.
WAREHAM, MASSACHUSETTS

NEW Falcon® MARINE DISTRESS FLARES

BRILLIANT RED LIGHT — to signal for help when in trouble!

*Doubly-sealed in waterproof plastic—and float.
*Important to water safety and to rescue operations.
*Safe—and easy to use in emergency.
*Handy—and inexpensive.

3 five minute RED FLARES with handles
only $3.95

See your dealer — or write for literature.

FALCON—FOR ALL WHO RESPECT SAFETY ASHORE AND AFLOAT
Manufacturer of famous Falcon Freon boat horns

Visit our booth at the boat shows!
Falcon ALARM CO., INC.
Dept. E • 243 Broad Street • Summit, N. J.

INBOARD

AMERICAN BOATBUILDING CORP., BEETLE BOAT DIV.
E. GREENWICH, R. I.

BB 24 CABIN INBOARD

23'9"x8'6"x24" fiberglass cruiser. Selection of 110 to 155 HP Nordberg engine, top speed 20 mph. Sleeps 2, 4 optional. Has galley, head, 6'2" headroom in cabin, 2 25-gal. fuel tanks, molded-in colors. Price including 110 HP engine, $7,985.

ANCARROW MARINE, INC.
1729 SUMMIT AVE.
RICHMOND, VA.

AQUILIFER

25' Inboard runabout built of Macoba Marine African mahogany powered by twin 300 HP engines guaranteeing 60 mph. Features include Federal Nik-O-Lite propellers and Monel shafts, specially cast hardware, Dexolium matting and U.S. Naugahyde on synthetic foam upholstery, Stewart Warner tachometer, electric temperature gauge for each cylinder bank, Airguide water speedometer, White Echo Depthometer, and other extras.

GLADIATOR

20' Inboard runabout in open-decked, utility model available with choice of three engine installations, top speeds to 47 mph. Construction characteristics similar to Aquilifer. Optional equipment includes fisherman's swivel chair, fish tank and water-supplied, live bait tank. Also available as passenger runabout with extra seats.

Several new models also available early in 1959.

THE ANCHORAGE, INC.
57 MILLER ST., WARREN, R. I.

DYERCRAFT "29"

28'6x9'x2'6". Available with gas or diesel power, from 85 to 200 HP. Top speed 17-25 knots. Cruising speed 15-20 knots. Single or twin screws. Fuel capacity 100 gals. Cruising range 150-200 miles. Sleeping accommodations 2-4. Has cooking facilities and one head. Built of fiberglass reinforced polyester resin, color pigmented resin used in hull for minimum maintenance. Features wine glass section garboards and "built down" keel for increased seaworthiness and better handling in rough waters. Price $10,950 and up, includes foam rubber berths, standard government equipment, special ventilating screened windows. Available accessories are navy top, semi-enclosed and flying bridge models.

16' DYERESIN UTILITY

15'9x5'10"x14". Runabout. Engine 25 to 65 HP. Top speed is 22-23 MPH. Engine, Universal Atomic 4 Unimite Gray 4-45 and 620. Carrying capacity 5 to 6. Features extreme flare at bow with narrow entrance, semi-tunnel or flat stern with protecting skeg, lightweight for trailer transportation and yacht tender service. Price, $2,395 and up, including 20 gal. gas tank. Monel or Tobin bronze shaft. Goodrich bearing. Equipoise propeller, Anti-Foul bottom. Available accessories, canvas hood and extension, cockpit cover $118; Socony fender $55; side steerer $40; bow towing eye $10.

20' DYERESIN UTILITY

19'11"x7'3"x20". Runabout. Engine 65 HP, top speed 26 MPH. Engine, Universal Aqua-Pak. Carrying capacity, 6-8. Features extreme flare at bow with narrow entrance, designed for fishing or sport runabout with speeds for water skiing. Price, $4,650, includes standard government equipment, 2-20 gal. gas tanks, folding windshield. Available accessories, deluxe standing top model with seats forming berths, toilet (extra).

BLUE FINN BOATS, INC.
229 WEST 66th ST.
NEW YORK 23, N. Y.

BAHAMA

18'x6'10"x12", lapstrake mahogany on oak runabout built in Europe. Weight 1700 lbs., seats 6, price, $1,395 for hull only. Other models, 21' BARRACUDA of similar construction, weight 2200 lbs., handles up to 125 HP engine, price, $1,840, with hard-top, $2,295.

BRISTOL BOATS, DIV.
ALLEN QUIMBY VENEER CO.
BINGHAM, ME.

DOLPHIN CRUISER-FISHERMAN

33' cruiser-fisherman sleeps 2 or 4, according to model. Available with Chrysler or Gray engines, from 110 HP to 225 HP, boat has berths, separate head, galley with stainless steel sink, icebox, dinette and self-bailing cockpit. Prices: from $11,900. 36' cruiser-fisherman, from $18,800. 42' sport fisherman, from $27,000.

BARRACUDA CRUISER

25' cruiser has 2 berths, separate head and galley, foam rubber mattresses, icebox, stainless steel sink and full length bottom and side panels. When powered with engines of 100 HP can attain speeds to 25 mph. Boat is offered with variety of Gray, Chrysler and Interceptor engines, and is also available in Barracuda Fisherman model. Prices: from $5,180. Accessories are available.

BONITO

21'2"x7'9" boat is available in both inboard and outboard versions. Standard inboard power is Gray 100 HP. With twin 35 HP outboards boat can attain speeds to 30 mph. Boat sleeps 2. Price: inboard, $3,580; outboard, $1,960.

CRUIS-ALONG BOATS, INC.
SOLOMONS, MD.

PELICAN 22'

21'7"x7'9". Designed for inland lakes or off-shore coastal waters. Features completely equipped galley, dinette with formica top, seating space for four, toilet, and sleeping accommodations. Cabin length 9'2", cockpit length 8'5".

FLEETFORM CORP.
BOX 4106, FORT WORTH 6, TEXAS

FLEETFORM "IMPERIAL"

17¼ fiberglass runabout can achieve speeds to 55 mph with 220 HP engines. Features include "BalanStern," outside mounting of fuel tank, folding rear seats over rudder stuffing box, exhaust system and steering linkage, and is suitable for use with motors up to 250 HP. Boat is offered with or without power installation. Prices: without engine, instruments and reverse control, $2,295; with Owens, Gray or Crusader engines, from $3,482 to $4,280.

GEHRLEIN IND., INC.
ROOSEVELT AVENUE
LINDENHURST, N. Y.

GEHRLEIN SEA SKIFF

26' x 9' x 22" Sea Skiff is available in either navy top or hard top models with two bunks and head. Cabin Skiffs sleep 4 and have standing headroom, galley, sink and dinette. Engine

options are from 95 to 325 hp, gasoline or diesel, capable of producing speeds to 42 mph. Features include teak side and aft decks, planking of ¾" steam-bent lapstrake mahogany and louvered mahogany cabin door.

GULL FIBER-PLASTIC PRODUCTS, INC.
BOX 1412, HIGHWAY 10 WEST
MISSOULA, MONTANA

HOLIDAY INBOARD

18'x86"x49" depth amidships, inboard runabout of all-fiberglass construction. Choice of power in V8's: 220 HP, 240 HP and 310 HP. Hydraulic or manual transmissions. Speeds up to 50 mph. Features padded dashboard with full instrument cluster, aircraft type throttle. Approx. weight, 1,985 lbs.

INLAND SEAS BOAT CO.
2035 FIRST ST., SANDUSKY, OHIO

"STEEL-CLIPPERS"

Series of boats featuring plastic-coated alloy steel hulls with mahogany cabins. 26' and 28' models are available as Flying Bridge Sedans, sleeping 4, with either single or twin gasoline engines. 31', 35' and 40' sizes are available in the Flying Bridge style as well as double cabin Deckhouse model, all sleeping 6. Single or twin gasoline engines as well as diesel in the 35' and 40' models are offered.

"STEEL-MATES"

Series features plastic-coated steel cabins and molded fiberglass hardtops. 24' model is offered as an open Utility model, as a Hardtop Overnighter sleeping 2, and as a Flying Bridge model with 6'2" headroom, sleeping 4. All are available with inboard or outboard power. The 26' boat

comes in the same models, with inboard power only, single or twin gasoline engines. Boats are offered complete, partly complete and as hulls.

MANSON BOAT WORKS
BRIDGE RD., SALISBURY, MASS.

32' CONVERTIBLE SEDAN

32' boat is available in two models, Sedan and Express Hardtop. Express features a 14' one-level cockpit, and sleeps 4, while Sedan model is offered in 2 arrangements, one sleeping 4 and the other 6. Twin Chrysler Crowns, 2 to 1 reduction gear, hydraulic clutch control assembly and 12-volt electrical system are standard equipment. Single and twin screw power options are available to 450 HP. Prices: Express Hardtop, Single, $10,-450; Twin, $12,800.

38' MERRIMAC CRUISERS

38' boat is offered in two models, Express Hardtop, sleeping 6, and Sedan model, sleeping 6 to 8. Galley has large storage compartments and built-in blower system, while salon features picture window. Standard power is twin Chrysler V8's 170 HP with 2½ to 1 reduction gear with power options available to 550 HP. Prices: Express, $18,000; Sedan, $18,600.

44' CUSTOM CRUISER

44' boat is offered on custom basis, in Express, Sedan and double cabin models, sleeping 6 to 8. Features include salon deckhouse, dining area, carpeting, mahogany paneling, electric cooking, refrigeration and automatic oil heal. Standard power is Twin Chrysler 170 hp with 2½ to 1 reduction gear with power options to 550 HP.

MATTHEWS CO.
PORT CLINTON, OHIO

MATTHEWS BOATS

42'x13'x3' boat in five models, all available with single or twin screw and a choice of gas or diesel engines capable of developing speeds up to 27 mph. All models are built for salt water use. Convertible Sedan sleeps 2, has 2 toilets and features folding partition that permits opening deckhouse and aft cockpit into one area almost 20' long. Flying Bridge Double Cabin has wide-around side decks and sleeps 6. Deluxe Sedan sleeps 6, has 2 toilets and fixed partition between deckhouse and aft cockpit. Sport Fisherman sleeps 5, and has side coamings aft on both sides of cockpit cut away flush with decks to permit easier fishing, and has special fishing equipment. Martinique Express sleeps 4 or 5, has 2 toilets and is available with either canvas-top or hardtop.

OVINGSTEEL, INC.
30 CHURCH ST., NEW YORK 7, N. Y.

GLADYS II

65' standardized steel motor cruiser, one of a line of wood or steel power yachts and auxiliaries, 35 to 100 feet in length. Made in Holland. Full information on request.

PEMBROKE BOATS, INC.
EPSOM, N. Y.

26' FAMILY EXPRESS CRUISER

26' Cruiser featuring lapstrake round bilge construction with high freeboard, self bailing flush cockpit, private toilet, galley and dinette, sleeping accommodations for 4, fiberglass cockpit, deck, and cabin roof, ventilating windshield, convertible top, side curtains and stern curtain, Chrysler marine engine with power options from 100 to 170 HP.

SKAGIT PLASTICS, INC.
LA CONNER, WASH.

SKAGIT EXPRESS CRUISER

24'1" cruiser with flying bridge, fiberglass construction. Cabin sleeps 4; sleeps 6 with optional bunk. 6' cabin headroom. Dinette, 28" forward bunks, fiberglass reinforced polyester hull, deck, and cabin units. Hull is a one-piece fiberglass laminate with longitudinal and transverse strength members. Contoured grid pattern hull said to reduce water noise. Longitudinal grooves in the bottom of the hull said to reduce friction and skidding in sharp turns. Glass surfaces in cabin and bridge shaped in plate glass. Fuel tanks, cushions, private head, ice chest, water pump. Equipped with Graymarine 225 HP V8 engine, for speeds over 35 mph. Other models available from 8' pram to 31' cruiser.

When *Quality* means *Safety*

At first glance, these words don't look alike. But when a life is involved, they often mean the same thing and make the vital difference. APCO is the oldest manufacturer of marine life saving equipment in the country. Their standards of manufacture are the highest. In many cases, they exceed United States Coast Guard safety regulations.

This sturdily made, smartly designed motor boat vest is an APCO product. Its color fast, bright plaid jeans can be seen at great distances. Its Kapok buoyant material is electrically sealed in vinyl inserts to keep it dry. Available in three sizes with adjustable body straps and tie-tapes—Child small, Child medium and Adult.

ATLANTIC-PACIFIC MANUFACTURING CORPORATION
124 Atlantic Avenue, Brooklyn 1, N. Y.

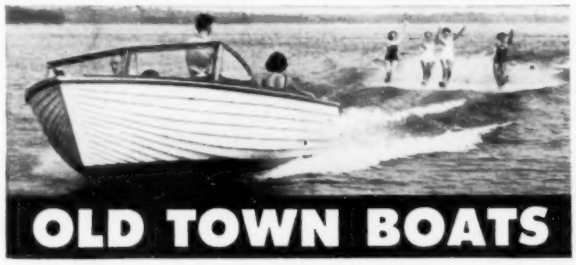
SPEED!

Get the feel of this boat, sailor! She's framed for speed and dashing performance. With trim, slim lines she planes easily. She's alive to your quickest signal, ready for fun and adventure. And like every Old Town, she's set for years and years of dependable, seaworthy service.

Old Town Lapstrakes come in a variety of models—the "14," "16," "18" and "20." There's one that's right for you!

OLD TOWN BOATS are easy to own, easy to maintain. Send for your free catalog—showing lapstrakes, canoes, dinghies, sailboats and skiffs.

Old Town Canoe Company, 692 Middle Street, Old Town, Maine.



STEPHENS BROTHERS, INC.
% HUNTER SCOTT, FINDLEY & LAKE
265 NO. VAN NESS AVE.
FRESNO, CALIFORNIA

STEPHENS 42' MARK II

42' Stock sedan featuring two staterooms forward, with additional sleeping accommodations for two in the salon, two heads and a shower. Powered by twin GM 4-71s (diesel) with 2-1 reduction gear, the yacht will achieve a top speed of 17 mph carrying a full load of 625 gallons of fuel and 125 gallons of water. Propellers are Federal 5-Blade "Vibra-Free", and the electrical system is 32 volts. An added feature is a modern galley with electric refrigerator, water heater and a "Princess" LPG stove. A 47' Stock Mark I also available.

STORECRAFTERS
P.O. BOX 14368, HOUSTON 21, TEX.

25' TRIUMPH

25' Cabin cruiser in fiberglass featuring cantilevered foredeck, canopy, and luxury appointments. Formica and Vinyl cabin interior; electric refrigerator; electric head, f.w. pump; windshield wipers; safety-glass. Powered by a 220 hp Crusader marine engine.

WHEELER YACHT CO., INC.
CLASON POINT, NEW YORK 72, N. Y.

PLAYMATE 34

34-foot hard top express cruiser has self-bailing cockpit, flush hatches over engines. Cabin has two wide berths forward, large closet, double mirrored bureau, bath room, convertible dinette and yacht size galley with Micart counters, stainless refrigerator and large lockers. Available with twin gasoline or diesel power, speeds to 28 mph, and dual control flying bridge. Playmate line includes 31' hard top express cruiser; 34' convertible sedan; 40' family cruiser, and 40' convertible sedan cruiser.

43' WHEELER

Convertible sedan yacht with dual control flying bridge, two 275 HP Chrysler V8 reduction gear engines, walkaround decks, teak cockpit, crew's quarters for two, owner's stateroom with twin beds, bathroom, galley, salon. Self-bailing cockpit. Available with twin gasoline or diesel power for speeds to 26 mph.

44' WHEELER

Promenade deck yacht with flush fiberglass decks from bow to stern, forward deck seats, semi-enclosed hard top, 2-225 HP Chrysler V8 reduction gear engines. Features private owner's stateroom, tile bathroom, closets, dinette, galley, guest stateroom, salon. Available with twin gasoline or diesel engines for speeds to 20 mph.

53' WHEELER

Promenade deck yacht with semi-enclosed wheel house, plastic side wings, forward deck seats, full length side rails. Twin 235 HP General Motors Diesel engines. Two staterooms, two baths, dining and lounging salon, dinette, stainless steel galley, crew's quarters for two with shower. Available with flush decks, teak cockpit. Monel fuel and water tanks.

WOLFE PRODUCTS, INC.
71 ELINOR AVE., AKRON 5, OHIO

23' SEA WOLF

22'10" x 9' clipper bow, lapstrake sea-skiff with 95 hp Chris-Craft marine engine. Features stand-up cabin and flying bridge; 6-volt electrical system; heavy duty battery; 2-30 gal. fuel tanks; 1" bronze shaft; necessary stern gear; instrument panel and instruments; built-in bunks; electric bilge pump; necessary hardware; many accessories; ice box and cabin fittings, etc. Built of ¾" marine plywood sides and ½" marine plywood bottom planks on steam bent oak frames on 6" centers. Priced in the $5,500 class.

ZUBACK'S BOAT & MOTOR WORKS
MORGAN, N. J.

20' SEA HAWK

20'2"x8'2"x1'9" lapstrake sea skiff runabout with standard 100 HP Universal Aqua Pak V-Drive engine. White cedar planking over oak frames. Fastenings are Everdur screws, bronze bolts and copper rivets. Strakes are copper riveted. Craft is fitted with 1" Tobin Bronze propeller shaft, or Monel if higher power engine is used. Has Ross steering gear, 30-gallon Monel gas tank. Equipment includes deck hardware of chrome-plated bronze, deluxe Jones instrument panel, international navigation lights, forward hatch. Also available in 23' "Sea Skua" and 26' deluxe "Sea Bird" models.

18' JERSEY STRIPER

18'2"x7'4" lapstrake sea skiff runabout, 65 HP Universal Aquapak V-Drive engine. Mahogany planking over white oak frames, copper riveted and sealed with synthetic rubber compound. Equipment includes deck hardware, steering, deluxe Jones instrument panel, international navigation lights.

SAIL

AMERICAN BOATBUILDING CORP., BEETLE BOAT DIV.
E. GREENWICH, R. I.

BB SAILER

8'3"x6'9"x48"x23" fiberglass centerboard catboat, takes outboard motors to 3½ HP. Fully enclosed centerboard box. Styrofoam flotation, stainless steel motor protection plate, hollow aluminum mast and boom. Mast is grooved to accommodate sail luff; no sail track or hoops required. Price, including spars, rigging, brass rowlocks, $393. Accessories: cotton sail, $35; oars, $8.75 pair; towing ring installed, $4.85; drain plug installed, $7.15; gunwale guard installed, $26.25; 2 piece mast, $15.

BB FALCON

16' open day sailer for racing. Fiberglass hull, aluminum mast and boom; centerboard. 15'7"x69"x8". Weight 425 lbs., sail area 122 sq. ft. Price, $1,060; cotton main and jib, $150, dacron main and jib, $195. Other models also available.

"TECH" DINGHY

12'6"x11'x5'x36" fiberglass centerboard catboat, with jib available for sloop rig. Equipment similar to BB Sailer. Price, $774. Accessories: dacron sail, $114; white cotton sail, $49; red cotton sail, $56; sloop rig with cotton jib, $36; same with dacron jib, $48; outboard bracket installed, $15. BB Swan and other models also available.

THE ANCHORAGE, INC.
57 MILLER ST., WARREN 2, R. I.

CLASS D DYERESIN DINK

10'x4'3". Centerboard. Sail area 66 sq. ft. Built of reinforced fiberglas and polyester resin. All woodwork varnished mahogany, established racing dinghy class, also used for tender service. All spars of varnished sitka spruce, mast two piece to fit within hull, stainless steel rigging with adjustable shrouds, outhauls, etc. Price $995 with sail. Price includes oars, oarlocks, fender guard, painter, rudder, tiller, floor gratings, etc. Artificial flotation crating $17. Also available, 9' Dyeresin Dhow, from $495 to $595; and 7'9" Dyeresin Dhow Midget, $440.

12' INTERNATIONAL

12'x56". Centerboard 4'. Sail area 72 sq. ft. Reinforced fiberglass and polyester resin construction. Aluminum spars, stainless steel rigging, Hifield adjusting levers. Price $925 with sail rigging, centerboard, rudder, tiller and artificial flotation.

SOJOURNER CLASS

32'10"x29'4"x10'3"x4'6". Sail area 499 to 713 sq. ft. Built of fiberglas and color pigmented, polyester resin including hull, cabin decks, and cockpit sole. Mast (hollow) boom and jib boom, sitka spruce; standing rigging, stainless steel; running rigging, nylon, dacron, or linen. Sleeping accommodations for 4 to 6 people. Has 6'2" to 6'9" headroom. Has cooking facilities and one head. Price $25,000 and up.

CATAMARAN CORP. OF AMERICA
928 GRAND AVE.
KANSAS CITY 6, MO.

TIKI

12' Catamaran in both sail and power versions, convertible to iceboat. Extreme beam 6', draft (board up) 4", (board down) 2'11". Sail area (main and jib) 104 sq. ft. Weight, 150 lbs. Of molded plywood, air-

craft-type construction with aluminum spars and stainless rigging. Mounts up to 25 HP motor for speeds under power to 20 kts. Speeds under sail up to 15 kts. Prices from power model in kit form, $395, to complete sail version with sails, $945.

CONNECTICUT BOAT CO.
645 STEAMBOAT RD.
GREENWICH, CONN.

SKIMMAR SAILBOARD "12"

12' x 42" sailboat has hull of Crezon, marconi-rigged dacron sail and sheared planing hull. Weight capacity is 450 lbs., while boat weighs approximately 100 lbs. Mahogany trim and rubber gunwale guard set off non-skid deck. Two-piece mast is of Sitka spruce. Price, painted and equipped: $269.

DOLPHIN LAMINATES, INC.
P.O. BOX 4694, MIAMI BEACH, FLA.

"KALUA"

16' x 7'9" x 7⅝" (draft, board-up) fiberglass twin-hulled day sailer fitted for outboard motor power. Roomy cockpit and deck areas, removable hollow aluminum aerodynamic mast. Netting stretched between the forward ends of the twin hull serves as additional deck area. Converts to sleeper. Boat features round bottom hull sections with twin centerboards. Will handle approx. 25 HP motor. Waterline length, 14'7"; hull's max. beam, 1'9"; hull's waterline beam, 1'4½"; total sail area, 160 sq. ft.

JAMES E. GRAVES, INC.
YACHT YARDS
MARBLEHEAD, MASS.

INTERNATIONAL 110s AND 210s

International 110 class racing sloop, $1,595. International 210 class racing sloop, $2,965. Also a 20' cruising sloop approximately $2,000.

INTERNATIONAL YACHT SALES
604 KEER BLDG., DETROIT 26, MICH.

JOLLY-BOAT

20'5" x 7'3" x 2'9" motor sailer. Displacement 2,000 lbs.; cast iron keel, 775 lbs. Sail area, 161 sq. ft. Oak backbone, frames, deadwood, mast foot, rudder, transom, rub rail. Iron keel and structural bolts. Mahogany planking with copper fastenings, other fastenings of brass. Pine deck beams, stringers. Douglas fir deck, mahogany cabin sides and trim. Interior and top are of pine. Swedish spruce mast and boom. Galvanized rigging, stainless steel wires. Cotton sheets, hemp halyards, Maco canvas sails. A boom tent can be strung over the entire cockpit to make room for extra berths or storage. Equipped with 22-lb. anchor, 82' anchor line, two mooring lines, oars and locks, hook, two life belts, bailer and bucket, mainsail and jib. Prices, complete: with Palmer 16 HP engine, $3,685; with Universal 12 HP engine, $3,585; with Albin 10 HP engine, $3,485.

MERRIMAN BROS., INC.
185 AMORY ST., BOSTON 30, MASS.

TRIDENT

12' cartop sailboat, of fiberglass skin construction with polyethylene filled interior. Weight 85 lbs. Designed to plane at low wind speeds. Features new "free-center board," a "plane-balanced rudder" and simplified "wing-sprit rig" complete with nylon sail.

KIT

CENTRAL MACHINE WORKS, INC.
1250 CENTRAL AVE.
MINNEAPOLIS 13, MINN.

PONTOON BOAT KIT

"Perma-Dock" Boat Kit uses locally procured 55-gallon steel drums to form two pontoons of any desired length. Tapered nose cones, platform frame, brackets, motor mount, hardware, and instructions are included in kit.

CUSTOM CRAFT MARINE CO.
1700 NIAGARA ST.
BUFFALO 7, N. Y.

"JET" RACER

10' x 55" kit racer. Has constant dihedral bottom, wide beam and non-trip chines. Will easily handle 10 HP and more. Price, $152.50.

PRAM-UTILITY

10' x 55" kit boat. Weighs 90 lbs., for motors from 3 to 20 HP. Top speed 45 mph. Carries 3 passengers. Constructed of ¼" marine plywood. Has wide flaring sides. Price, $129.50.

UTILITY SKIFFS

Kit rowboat in 2 sizes: 10' x 42" and 12' x 42". Can use motors up to 10 HP. Mahogany frames, plywood planking. Price, $79.50 and $83.50. Other models in kit boats also available.

V22 INBOARD—VICTORY

22' x 8' kit cruiser. Transom of plywood with 1" mahogany; decking of plywood and cabin sides of solid mahogany. As complete boat or pay as you go kit. Formed hull kit, $1,310. The semi-finished hull, $1,575. Custom finished boat, $1,945. An outboard model also available, kit price, $980. Many other models available ranging downward in size to the above listed racer and utilities.

FINGERTIP MANEUVERABILITY
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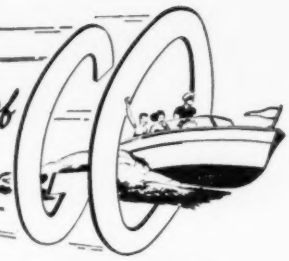

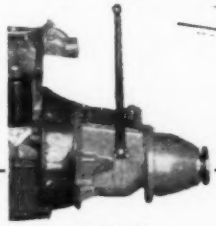

MODEL EF
features full 100% reverse. Easy to install. Easy to control. 1½:1, 2:1, 2½:1 and 3:1 reductions available. The ideal gear for most popular engines.

MODEL 2HE
Reverse and Reduction Gear. Full forward and full reverse. For gas engines to 250 H.P. at 4,000 R.P.M. and diesel engines to 150 H.P. at 3,000 R.P.M. Available with reduction gears 1½:1, 2:1, 2½:1, 3:1 and 4:1.

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REVERSE AND REDUCTION GEARS let you ENJOY the fun of carefree cruising!

Discover the thrill of greater maneuverability . . . new ease of handling . . . and smoother performance right from the start. Every ride is a luxury ride when you have a dependable "Capitol" Gear on your craft. Choose the gear thousands of others have chosen for greater pleasure and satisfaction.

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AUTO ENGINE WORKS, Inc.
343-A NO. HAMLINE AVENUE
ST. PAUL 4, MINNESOTA

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Have a good-looking, durable BOAT HOUSE in just a few hours! Everything prepared for easy assembly with simple instructions. Durable, waterproof, mildew proof plastic-coated NYLON cover. Frame of galvanized steel tubing. Complete with hardware and rigging. 8 standard sizes from 8' x 16' through 12' x 30'. Other sizes on special order.

MAIL COUPON FOR FREE CATALOG AND PRICES!

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Please send full particulars on your BOAT HOUSE KITS:
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ADDRESS _____
CITY _____ STATE _____

U-MAK-IT PRODUCTS
DE LAND, FLA.

V-180 FLYING CLOUD

18'x6'x10" cruiser for outboard or inboard installations. Planked with ⅜" marine plywood over 8 hardwood frames. Has sleeping accommodations for two, plus room for a head. Price of kit, $609.

F-17 OLYMPIA

16'x6'x10". Weight, 700 lbs. Planked with ⅜" marine plywood over hardwood frames. Deck and interior are mahogany. Self-bailing motor well designed for single or double outboard motor installation. Price, $395. Also available: Model "F-21," 21'x7' outboard runabout of ⅜" marine plywood over hardwood frames. Mahogany deck and interior. Price, $545.

V-14 SEA

13'3"x5'6" outboard runabout planked with ¼" marine plywood over six hardwood frames. Mahogany decks and walkthrough seats. Price, $196. Also available: Model "V-14," plywood runabout, 13'3"x57". Can be used as car top boat. Price, $159. Model "14SK Monterey," 14'6"x5'8" outboard runabout, plywood lapstrake over hardwood frames. Mahogany seats and decks. Price, $260.

HOUSEBOATS

CATALINA AMPHIBIOUS HOMES, INC.
ELKHART, IND.

CATALINA HOUSEBOAT

24' model with steel hull and aluminum superstructure. Galley, stove, refrigerator, sink, cupboards, shower, toilet. Sleeps 4. Has safety rail for children and 8" draft for shallow areas. Uses 25 to 35 HP motor, cruises to 10 mph. Amphibious design: has retractable wheels, meets requirements for highway travel.

HOLIDAY BOATS
135 EATON ST., ST. PAUL 7, MINN.

HOLIDAY 26

26'x8'x7" houseboat sleeps 6, has salon, galley with marine-type water pump, 2-burner gas stove and cabinets, dinette, storage, and head with sea closet. Boat is wired for 12 voltage and has outboard motor mounting bracket. Hulls are steel.

HOLIDAY 32

32'x10'x7" houseboat sleeps 6, has steel hull and aluminum superstructure. Features include carpeted salon, galley with marine-type pump, 2-burner gas stove, cabinets and ice box, marine-type head, closets, dinette and wiring for 110 volts. Boat is recommended for use with inboards to 105 HP, or 35 to 60 HP outboards, for which self-draining bracket is included.

RICHLAND MFG. CO.
RICHLAND, MO.

RICH LINE HOLIDAY HOUSEBOAT

Heavy gauge all-aluminum construction with styrofoam flotation. Insulated cabin, aluminum doors and screen windows, 12 and 110 volt electric system, 20 lb. propane gas tank, outside hull for refrigerator and stove, storage compartments, toilet, bilge pump; dinette and divan convert into beds. Speeds 10 mph with 18 HP outboard, 16 mph with two 18 HP outboards. Head room 6'3". Two models available: 32'x8', sleeps 6, $5,750; 35'x8', sleeps 8, $6,800.

ROWBOATS & CANOES

AMERICAN BOATBUILDING CORP., BEETLE BOAT DIV.
E. GREENWICH, R. I.

BB DUCK

8'3"x48" fiberglass rowboat, takes outboard motors to 3½ HP. Can be used as yacht tender. Styrofoam flotation, hardware, outboard bracket. Price, $249. 9' BB dinghy, for 5 HP motor, $324. 6' BB Whale, weight 22 lbs., $49.95.

BB FISHER

10'3"x53" fiberglass rowboat. Takes outboard motors to 5 HP. Hard chine construction, styrofoam flotation, wide bow, high freeboard, hardware, motor bracket. Price, $359.

C. R. DILLABAUGH CO.
220 N.E. COLUMBIA BLVD.
PORTLAND 11, ORE.

FISHERMAN

Lightweight utility rowboat is available in 10', 12', 14' and 16' models, with reinforced transom for outboard motors. All are equipped with fastenings and rowlocks.

DINGHY

7'9"x46"x15" dinghy weighs 65 lbs., and can be carried on car top. Rowlocks are included.

HOWARD BOAT MFRS.
925 SOUTH ST., WRENTHAM, MASS.

8' DINGHY

8'x49" beam with 15" freeboard. Approximate weight 60 lbs. Flotation. Recommended for 3 HP motor. Price, $175.

10' DINGHY

10'x48" Fiberglass dinghy, weight 105 lbs. Built-in flotation, impregnated colors, molded gunwales and seats. Recommended for 5 HP motors. Price, $235. Also available, prams, dinghies, utilities and runabout (see outboard boats section) from $124.50.

MARINECRAFT BOATBUILDERS MARINE SERVICE
25 W. SORRENTO, ALLSTON, MASS.

MARINECRAFT DINGHY

8½' molded fiberglass dinghy. 46" beam, 19" depth max., 78 lb. weight. Round bottom, "lap-side" type construction with one or more flotation tanks as preferred. In outboard and sailing models, suitable for car top or yacht tender use.

PENN YAN BOATS, INC.
PENN YAN, N. Y.

DINGHIES AND CANOES

Line includes heavy-duty Yachtsman dinghies, in heavy Plaston construction, in 8', 9' and 10' models, and in light Plaston, 7', 8' and 9' Aerodinghies. Canoes available in heavy Plaston include 14', 15', 16', 17' and 18' models.

SPRING CRAFT BOATS, INC.
515 BUILDERS EXCHANGE BLDG.
PORTLAND, ORE.

9' CAR TOPPER

9' long car top boat molded of Molytanium, seats 3, weighs 80 lbs. Will take 6 to 10 HP motor.

U. S. RUBBER CO.
ROCKEFELLER CTR.
NEW YORK, N. Y.

FOLDING DINGHY

Can be carried in small case and inflated in seconds. Supplied with two folding aluminum paddles, hand pump, and two seats. 1.7 HP outboard motor mount and CO₂ bottle for quick inflation optional. 8½' when inflated. Construction neoprene coated nylon. Carrying case is 35" long, 14" circumference. Entire unit weighs 42 lbs. Price, $198.50.

THE ANCHORAGE, INC.
57 MILLER ST., WARREN 2, R. I.

AIRBOATS, INC.

DYERESIN DHOW

9'x4'5" rowboat is constructed of polyester fiberglas, has the patented Dhow hull. 3 to 5 HP outboard motor can be attached. Price for the standard model $325; for the deluxe, $415. Price includes bronze rowlocks, 2 sets rowlock sockets, painter artificial flotation. Additional features for the deluxe model; chromed hardware, varnished trim, floor gratings, shipmate gunwale guard, oars, lifting rings.

NOVELTY BOATS

AIRBOATS, INC.
3323 N. FLORISSANT AVE.
ST. LOUIS 7, MO.

AIRBOY SPECIAL

14' aluminum airboat with 62" beam, push-button electric starter and generator, engine muffler, aluminum air rudder

for steering independent of the water, air-cooled 65 HP aircraft engine which produces speeds up to 35 mph and uses 4 gal. of gas per hour, electric fuel pump, 12-gallon fuel tank, forward placed controls, full instrument panel forward, fuel gauge, ice runners. Can run on the ice and in extremely shallow and clogged waters. Standard model has 48" front deck, 12" rear deck, seats six, price $1,995; Deluxe model has in addition wrap around windshield, long sloping rear deck, seat backs, two tone paint finish, price $2,195.

C. J. HENDRY CO.
27 MAIN ST.
SAN FRANCISCO, CALIF.

ELLIOT INFLATABLE LIFE RAFT

Packed in sailbag size with all emergency equipment. Inflate in a few seconds when cord is pulled. In sizes for 4 to 25 persons.

LML ENGINEERING
& MFG. CORP.
COLUMBIA CITY, IND.

RIVIERA DELUXE CRUISER

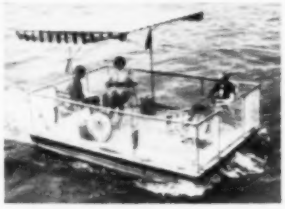
Has adjustable aluminum canopy which can fold down. Features 4" spacing of rails for safety, safety-latch gates, heavy-duty motor mount, skid-proof ¾" marine plywood deck in 8' x 16' and 8' x 20' sizes. Newly designed pontoon nose. Other models available: 8' x 8' and 8' x 12' Riviera Standard and 8' x 8', 8' x 12', and 8' x 16' Riviera Sun Deck.

PAVY MFG. CO., INC.
P. O. BOX 13, GREENSBURG, IND.

PORT-A-TOON BOAT

A craft floated on three Styrofoam pontoons, featuring a level platform deck for boating in the normal sitting position. "Sportsman" model has 12-foot deck 4 feet wide and weighs 150 lbs. "Family Frolic" measures 15' x 5'8" and weighs 275 lbs. Both models may be equipped with a variety of optional equipment.

RICHMOND CEDAR WORKS
MFG. CORP., BOAT DIV.
P. O. BOX 2407, RICHMOND, VA.



"HUCK FINN" RAFT

A pontoon pleasure raft in two sizes, 12' and 16' over-all lengths, both 8' wide, with 1' freeboard and 2" draft. Construction consists of two pontoons built of water-proof plywood, oak frames. Pontoons are ventilated and have hatches for access. Equipment includes railing, motor bracket, mooring rings. Cruising speed from 6 to 8 mph with 5½ HP motor. 12' model weighs 450 lbs.

ROBERTSON-HEDGES, INC.
1518 McGEE ST., KANSAS CITY 8, MO.

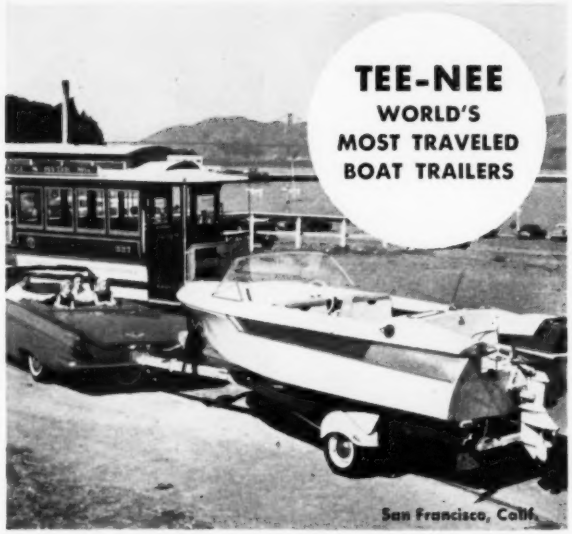
DRAGONFLY ICE SLED

Ice sled has wind-break front, all tube-steel welded construction with a 2-bolt knock-down feature for easy assembly and transportation, 2 bucket seats, foot rests, remote throttle control, 3 hinged ice runners and drag brake. Shipping weight is approximately 100 lbs.

SELLECK WATERCYCLE CO.
BOCA RATON, FLA.

BEACH-BOAT

Paddle boat consists of two water-tight compartments fore and aft, with swing-type seat suspended below cockpit so that rider paddles with his hands. Available in two sizes, for children up to 100 lbs., and for adults. Prices: $29 and $39. Also available in unsanded-unpainted model.



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"since 1933"

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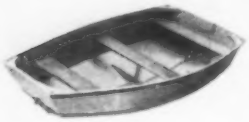
POST ROAD, BRANFORD, CONN.



SEA SHELL PRAMS
8'x48"x16" standard or deluxe pram can be used with 3 HP outboard motor, and converted to sailing pram with conversion kit manufacturer offers. Also available is 10' King Size pram converted for sailing. All are offered as kits, ready-to-paint or complete boats. Price: kit, $62 standard; $82 deluxe, $90 King Size.

SKIMMER
95"x44"x16" runabout has mahogany seats, full length planking and built in floor boards. Boat can be used with motors up to 7½ HP, and is available as kit, ready-to-paint or complete boat. Price: kit, $98.

PENGUIN
11'5"x4'9" boat weighs 140 lbs., and is available as kit, ready-to-paint or complete boat. Price: Kit, $285.

HYDROFOIL BAT
8' boat has tandem, retractable hydrofoils and is said to be 50% to 100% faster than conventional hulls with same horsepower.

GYPSY
19'3"x6'6" sailboat has cabin, sitting headroom and sleeping quarters. Hull is AA top grade marine plywood and frames are Sitka spruce, with mahogany keel and chines. Available as ready-to-paint or complete boat. Price: Ready-to-paint, $1,575. Company also offers, in kit, ready-to-paint, or complete models: the Blue Jay sailboat, 13'6", with 90 sq. ft.

of sail area (main and jib); and as ready-to-paint or complete, a 12' skiff for use with outboards up to 10 HP.

NAVIGATION AIDS

AEROSONIC MARINE, INC.
CLEARWATER, FLA.

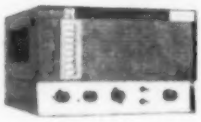
PORTA MARINE IV
Portable radiotelephone is completely self-contained all-transistor unit featuring press-to-talk microphone, antenna, broadcast and marine bands.

ALLEN-BRADFORD DIV.
GOVEN MUSIC CORP.
3181 N. ELSTON AVE., CHICAGO, ILL.

MODEL P-202 DF-O-MATIC NAVIGATOR RDF
Portable radio direction finder has positive to/from guide and left-right course indicator and can be used up to 200 miles out. Transistorized finder operates on air and marine beacon bands and broadcast bands. Features include telescoping sense antenna, non-ambiguous bearings, battery test light, earphone jack, accurately calibrated 360° compass rose with knurled tuning dial, sensitive meter and carrying handle. Dimensions are 9"x10½"x8". Price, $249.

APPLIED ELECTRONICS CO.
213 E. GRAND AVE.
SOUTH SAN FRANCISCO, CALIF.

TRANSISTORIZED RADIOTELEPHONES
Two units intended for outboard and small boat use are both supplied with "Flexidyne" whip antenna, antenna mount and crystals. A special clamp mounting allows equipment to be easily removed for storage. Model AE-17M is a 3-channel, 20-watt two-way radio; Model AE-25M is a 5-channel, 30 watt unit. Prices: AE-17M, $249.50; AE-25M, $295. Also available are SM-5 "Sea Scamp" two-band receiver and is especially intended for outboard cruiser activities when used to monitor AE-17 or AE-25 two-way radio transmission from a lead boat. Broadcast band is included.



RADIOTELEPHONES
Four models cover varied power requirements of the "inboard" field. Included are: AE-32AM, 6 and 12 volt, 42 watt units; AE-56AM 65 watt, 6-channel units; AE-110M 100 watt, 6-channel telephone and AE-176M 150 watt model. Latter is priced at $825, in 12 volt version. Also available is AE-190CM, a 10-channel, 240 watt set.

MS-11 DEPTH SOUNDER
Sounder can be used to depths of 100', and features readability to 1'.

AP-12 AUTOMATIC PILOT
Pilot is designed for both hunting and non-hunting operation, and includes transistorized power unit, hermetically-sealed relays, remote control course changer and high quality compass head. Price: approximately $650.

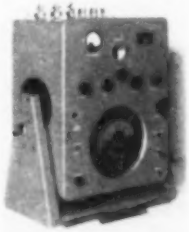
DFR-12 DIRECTION FINDER
Direction finder is accurate to 1°, and is available for remote loop installation. Price: approximately $400.

ARNESSEN CORP.
335 BOND ST., BROOKLYN, N. Y.

ANSCHUTZ GYRO-COMPASS
The Anschutz Gyro-compass is a precision instrument which operates with great accuracy even under extreme service conditions of rolling, pitching, and vibration. It is a pre-adjusted unit in which the gyro-sphere floats freely in a supporting liquid, eliminating the need for mechanical suspension. The compass is free from latitude errors, and the A.C. transmission eliminates radio interference from sparking. The unit is suitable for larger yachts and is small enough to be permanently mounted in the wheelhouse. The unit measures 31½"x19¾". Repeaters may be mounted anywhere aboard.

BLUDWORTH MARINE DIV.
KEARFOOT CO., INC.
1500 MAIN AVE., CLIFTON, N. J.

UTILITY DEPTH INDICATOR
Model ES 134 portable all-transistor depth indicator, 8" x 9" x 3", weight 6½ lbs., complete with transducer. Mounts on keel or outboard. Reads 3' to 100' within 2% accuracy in direct sunlight. Flashing light repetition rate: 1200/min. Price, including four 1½ volt flashlight batteries, fiberglass case, $110. Mount, $9.50 extra.



FIXED CROSS LOOP DIRECTION FINDER
Model DF 1034. Loop is of "Ferro-Power" construction in a fiberglass housing, windings electrostatically shielded. Loop may be mounted up to 100' from receiver. Receiver may be bulkhead mounted and tilted. Available with gyro compass repeater, automatic mechanical compensator, built-in electrical compensator. Range 280 to 520 kc. 115 volt AC 60-cycle power supply. Price, including mounting, $1,750. Bludworth line also includes a self-powered radiotelephone transceiver, a marine automatic pilot, a port pilot direction finder for small boats, a Mari-Guide direction finder with three-band coverage, an 18-watt radiotelephone, a power conserver ("Power Diver") for skin diving, an underwater metal locator, and a radar system. Many models are completely transistorized.

POSITIONER DIRECTION FINDER
Model DF 1033, 3-band, complete with "Ferro-Power" loop and magnetic compass. Takes bearings on radio beacons, shore broadcast stations, and radio equipped vessels. Also takes azimuthal bearings. 10" x 3" x 3", 4 lb. weight. Visual meter and aural null bearings covering ranges 200-400 kc and 500-3500 kc. Price, complete with batteries, $115.

CAS MFG. CO.
413 E. HUBBARD ST.
MINERAL WELLS, TEXAS

CAS MARINE 88M TRANSISTOR RADIO

Radio can be mounted on dash or used as portable unit, and tunes 1.7 to 3.2 Marine, 80 meter and broadcast bands. Radio operates on self-contained batteries or 12 volt boat system, and has 8 transistors and diodes with push-pull output and 4" speaker. Radio measures 8"x4½"x1¾".

ELK ENTERPRISES, INC.
BALTIMORE, MD.

RADAR TARGET

Aluminum safety device for small boats. Gives craft a large image on radar screens, making them easier to locate. Reflects radar beam seven miles to transmitter in any direction. Folds when not in use. Weight 2½ lbs. Especially suitable for wooden boats which otherwise may not reflect radar waves.

FERRELL MFG. CO.
GROTON, N. Y.

SEA RUNNER HORN

All-metal horn available in pastel colors. Brass moving parts. Push-button trigger activates sound. Complete with energy pack, can be used as portable model. Price, $14.95. Additional information on request.

JACKSON ELECTRICAL INSTRUMENT CO.
16-18 S. PATTERSON BLVD.
DAYTON 2, OHIO

DEPTH SCANNER

A finder for measuring underwater depth to 240 ft. with accuracy within one foot from 2 to 120 ft. All electronic circuit with sensitivity control and sun shade on 3" diameter indicator. For 6-12 volt systems; current drain 3 & 1½ amps respectively. Aluminum transducer brackets adaptable to inboard or outboard boats with hulls of any material. Price, $89.95. Portable transom bracket, $12.95. Permanent transom bracket, $6.95. In Canada available from Canadian Marconi Co. at slightly higher prices.

RAY JEFFERSON, INC.
40 E. MERRICK RD.
FREEPORT, L. I., N. Y.

MODEL 865

Radiotelephone with 65 watts power input, modulation limiter, five channels, low current drain, speech filter, automatic noise limiter, 1600-4500 kc range. 12 or 32 volt battery operation. Moisture and fungus resistant. Cannot cause electrolysis trouble with the underwater fittings of the boat. Telephone handset included as standard equipment. Built-in provision for remote control. Also available: Model 875, with 75 watts power input with similar specifications except operates on 12, 24, 32, or 115 volt batteries; both models 17½" x 12½" x 10¼". Allow 4" additional height for clearance and 3½" for handset.

K-S MARINE PRODS., INC.
OAKVILLE, CONN.

K-S NO. 44 COMBINATION BOW LIGHT

Die-cast combination bow light is triple chrome-plated and has rounded corners and edges and has Hi-line raised rib lens. Base dimensions are 6¾"x3½", height is 2⅞" matching flagpole is 12¼" long.

LITE MFG. CO.
1400 AGNES AVE.
KANSAS CITY 27, MO.

BOAT LIGHTING HARNESS No. 2505

Lighting unit features 20' three-conductor, 14 gauge lead from battery to dash. A 6' two-conductor lead runs from dash to bow light and two 6' twin stern light leads are connected to ground from the battery and to the "hot" wire from dash switch. Battery terminals, switch terminals and common ground terminals are insulated and permanently attached to harness, ready to connect to either a 6 or 12 volt storage battery or "hot-shot" battery. Price: $6.95, including heavy-duty switch.

MARINER'S MART
MAIDSTONE BOATYARD
EAST HAMPTON, N. Y.

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Taylor's famous "Fisherman" barometer together with leader, snaps, floats and Heddon spinning lures. Price, $12.95. Other gifts, gadgets, and gear. Catalog available on request.

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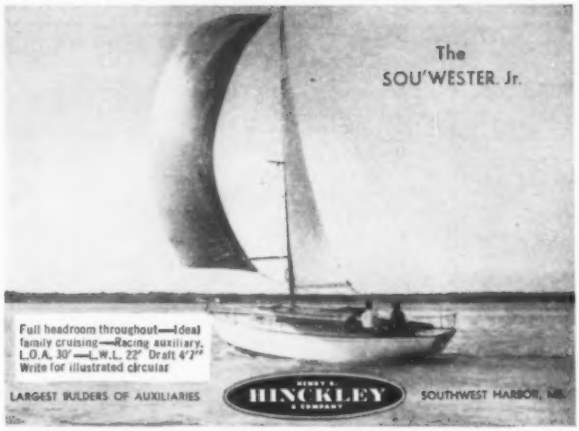

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MUNSTON MFG. & SVC., INC.
BEACH ST., ISLIP, L. I., N. Y.

MRT-135

Stationary radiotelephone. 8 channels; range 2000-4500 kc. Input, 135 watts. Operates on 12 and 32 volts DC. Measures 8⅝" x 16¼" x 10½", weight 45 lbs. Broadcast band reception, transmit filament stand-by switch. Remote control available. Price, $625. Accessories: crystals, $12 per channel; hand set, $29.50.

MRT-65

Stationary radiotelephone. 5 channels; range 2000-4500 kc. Input, 65 watts. Operates on 12 and 32 volts DC. 8 7/16" x 15½" x 10½", weight 40 lbs. Other specifications and accessories identical to MRT-135. Price, $495.

MRT-30

6 channels; range 2000-4500 kc. Input 30 watts. Operates on 6 and 12 volts DC. 7¾" x 14¼" x 7¾", weight 22 lbs. Has wiring for power megaphone attachment. Other specifications and accessories identical to MRT-135. Price, $340.

MRT-30B

5 channels plus broadcast band. Features transmitter tuning system meeting FCC

requirements, push-pull modulation, transmitter filament stand-by switch, built-in modulation limiter and filter, amplified automatic gain control which levels out the overstrong signals and allows for greater reception of weak signals. 30 watts to amplifier. Complete with push to talk microphone, antenna, and mounts.

RADIO CORPORATION OF AMERICA, RADIOMARINE PRODUCTS
75 VARICK ST.
NEW YORK 13, N. Y.

"PORTAGUIDE" DIRECTION FINDER

Transistorized portable radio direction finder, Model CRM-D1a, features 3-band beacon band, direction finder, marine band and broadcast band receiver. Unit operates from self-contained batteries and has built-in loudspeaker and phone jacks for headphone operation. Dimensions are 7½" x11"x13¼".

"PORTAHORN" FOGHORN-MEGAPHONE-PA

Portable foghorn-megaphone-public address unit is transistorized. Features include automatic and manually-controlled foghorn, power amplifier, talk-listen switch for intercom, megaphone with high power output and manually-controlled signal horn.

"GOLDEN SENTRY" RADIOTELEPHONE

20 watt channel radiotelephone has 5 crystal-controlled channels for transmitting and receiving, standard broadcast band, operates from 6 or 12 volt battery and has self-contained power unit and output booster control and indicator for maximum transmitter antenna power.

"GOLDEN COURIER" RADIOTELEPHONE

35 watt radiotelephone has crystal-controlled transmitter and receiver, transmitter on-

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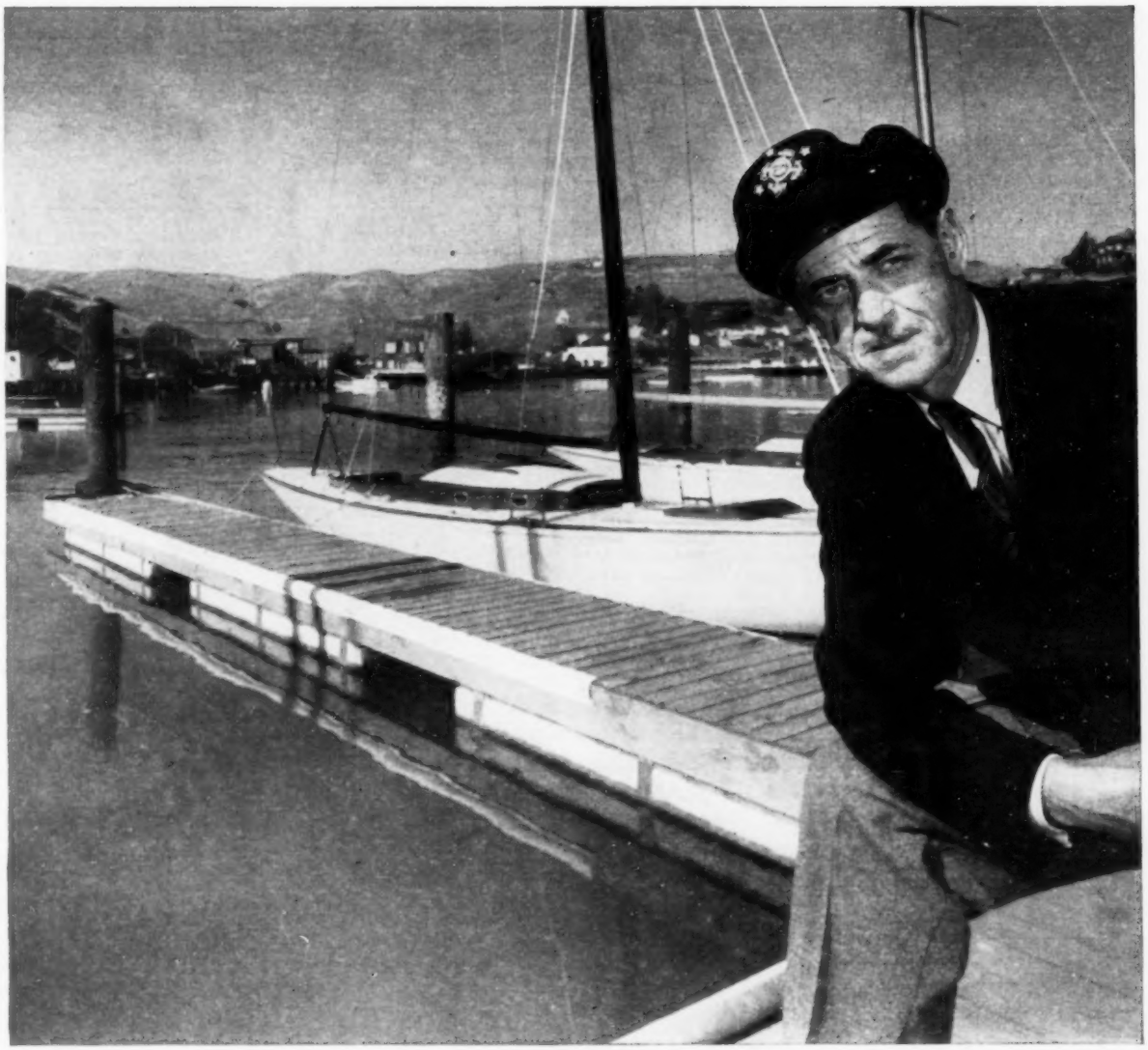

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off switch, all-aluminum construction, press-to-talk microphone for one-hand operation and automatic noise limiter as well as speaker jack for remote speaker connection.

MINISKOP DEPTHSOUNDER AND FISHFINDER

Lightweight unit is miniature echo sounder of the cathode ray type for measuring shallow depths, surveying waters beneath vessel and interpreting bottom conditions. Soundings from 18" to 490'. Features include spray-waterproof metal case.

"GOLDEN HERALD" RADIOTELEPHONE

Radiotelephone has 8 crystal-controlled channels for transmitting and receiving, with 2000-3000 kc range to cover harbor telephone and inter-ship frequencies. Unit operates on 12, 32 or 115 volt DC or 115 volt AC, and features transmitter on-off switch and all-aluminum construction with mahogany finish.

E. S. RITCHIE & SONS
PEMBROKE, MASS.

RITCHIE CRUISE MASTER

Compass and binnacle unit is designed especially for motor cruisers from 20' to 60' in length and has 4" card available in 2° or 5° graduations. Features include special compass oil in the bowl, a bellows expansion chamber, sapphire V-jewel bearing and special alloy pivot. Adjusable compensators are located in the base, and indirect lighting arrangement is fully enclosed with standard bulb provided for 6, 12 or 32 volt systems. Base diameter is 6¾". Price, $47.50; Lucite opaque sunshade, $3.95.

SPARTON AUTOMOTIVE,
DIV. OF SPARTON CORP.
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SPARTON BO'SUN

Marine light has sealed beam producing spread of light as far as 1000 ft. For use on small inboards, outboards and cruiser-type craft, light is built to withstand weather in fresh or salt water, and is available in 6 or 12 volt models. Price: $14.95; slightly higher west of the Rockies.

SPARTON ENSIGN

Marine horn is for use on small inboards and outboard runabouts, operates off electrical current in 6 or 12 volt capacity, and is all stainless steel with stainless steel diaphragm. Price: $13.95, slightly higher west of the Rockies.

SPERRY RAND CO.
CHARLOTTESVILLE, VA.

RADAR, LORAN, R.D.F.

Yachtsmen are awaiting with interest the electronic aids to navigation that Sperry has announced will soon be available to yachtsmen. The new developments will put "big-ship" navigation within the price range of the average boatman's pocketbook. A 10" Radar which occupies about the same space as a portable TV, a small boat Loran (long range radio aid to navigation), a miniature gyro-compass, a low cost current converter, an automatic pilot with a course keeping accuracy of ±½ degree, depth indicators, and radio telephones, all smaller and more compact than those hitherto available to the pleasure boating field will be marketed by Triton Marine Products, 159 Great Neck Rd., Great Neck, N. Y., distributors for Sperry.

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Combines fixed-lens telescope and jewel-pivoted compass, gives instant locations from two landmarks. Gives permanent bearings of the location. Weight 1 lb. Can be mounted or hand-held. Price, $29.75.

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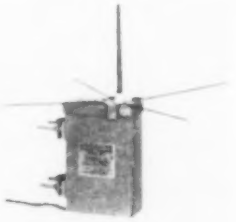
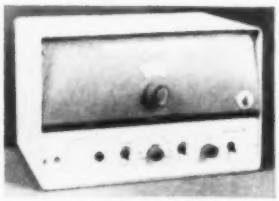
shore to shore. May be used as mobile units in conjunction with the CUB-1/MT-1 units. Complete with stainless steel microphone with push-button control and earphone jack, AC and DC line cords, and plug-in antenna. Operates on 465 mc (citizens band), FCC approved, no installation or tuning required, incorporates loudspeaker. Operates on 115 volt AC and 6 volt DC or 115 volt AC and 12 volt DC. Price $104.75. Also available: Model JRC-400, a similar model, price $74.75. Full line of accessories available including carrying cases, batteries, extension antennas, and marine safety switches with corrosion proof construction and lifetime self-wiping contacts.



CUB-1/MT-1

For base station use only. The MT-1 unit is a remote controlled citizens band transceiver that does not require an additional antenna, is weatherproof, may be mounted as high as desired (up to 500 ft. away from the control unit), weighs 2 lbs., 7" x 4½" x 2½". The CUB-1 is the control unit, operates at 465 mc, has 2 watts audio output, 18 watts power consumption (117 volts AC only). Incorporates a variable squelch control. Weight 5 lb. 14 oz., 9" x 6" x 5 5/16". Price complete, $179.50.



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242 SHORELINE BLVD.
MILL VALLEY, CALIF.

WEBSTER 17 MARINE ANTENNA "PACKAGE"

For boats requiring a moderate-sized antenna installation. Includes 17' antenna, universal swivel-base mounting bracket, mount for securing antenna in down position, hardware. Features center loading for reduced leading coil losses. Operates with any radiotelephone over 2000 to 3000 kc range. Coil is sealed in plastic, is weather and moisture resistant. Column is of aluminum tubing, coated for corrosion resistance.

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187 ATLANTIC AVE.
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Automatic pilot features include transistorized operation, remote control and compact size.

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Sounder has 2' to 80' dial for 6, 12, 32 volt operation on small craft. Also available is Sur-Echo heavy-duty sounder for cruising boats and work boats, with dials offered for 40, 80 or 120 fathoms.

WINDMASTER

Unit provides wind-speed and wind-direction data, and has dial of 4" diameter, with mounting diameter of 5½". Instrument is built to run from either 110 volts AC or 6 volts DC, and can measure wind-speed within 2 per cent of accuracy. Bearings are self-lubricating.

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Terylene sails (dacron)	150

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Beckner Photo, Balboa, Calif.

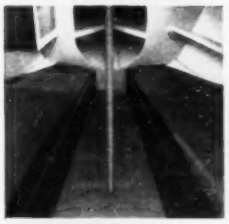

Photo: Don Marks, L. I. Sound

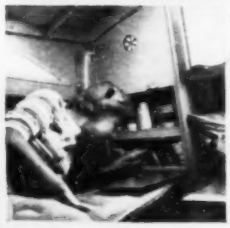

Photo: Stu Whelen, Annapolis, Md.

Length Overall 17' 8"
Beam 6' 7"
Displacement 1100 lbs.
Length waterline 12' 6"
Draft 2' 8" fin keel
1' 8" bilge keels
Keel, 400 lbs.
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Cabin Head Room: 43½"
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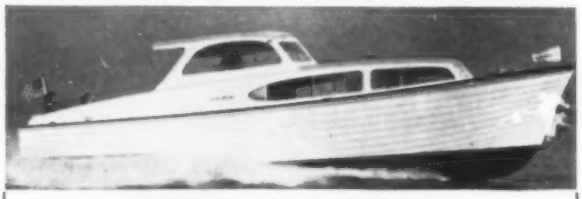

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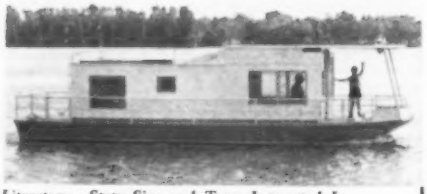

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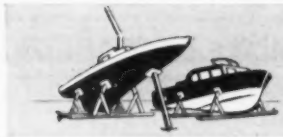

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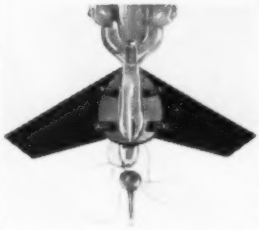

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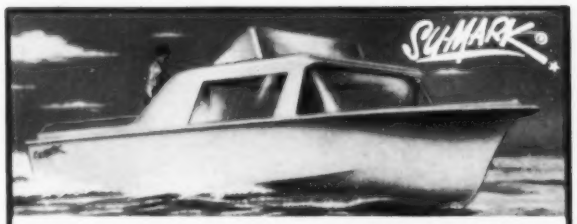

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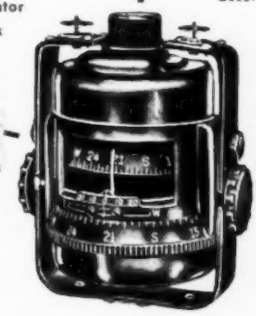

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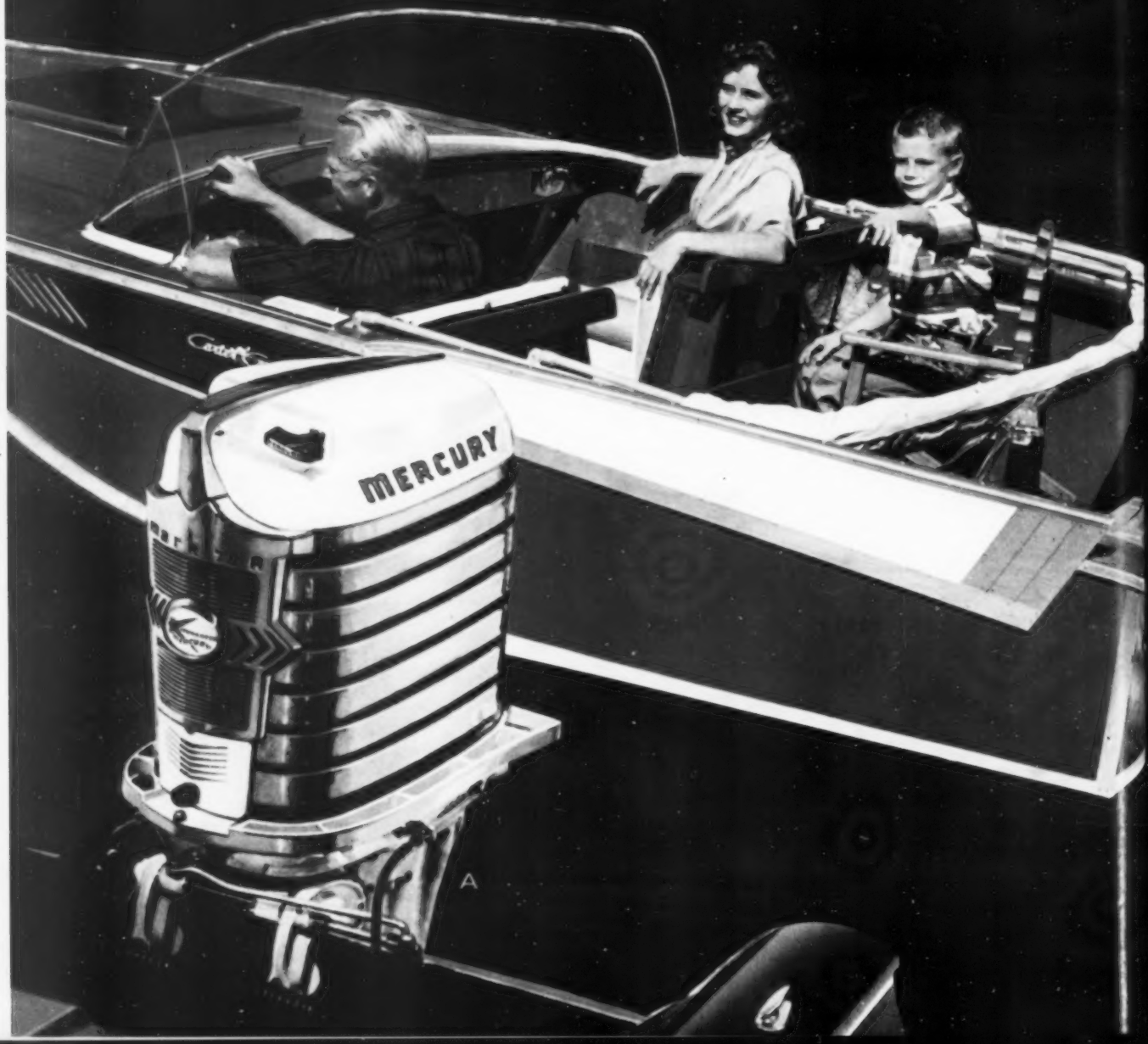

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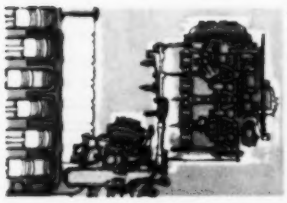

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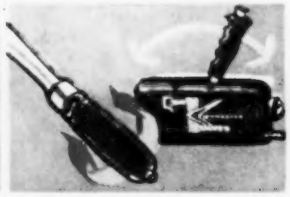

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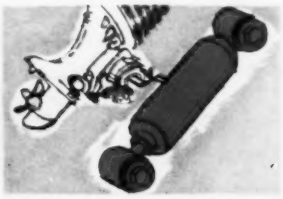

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